

May 1, 2007

Ms. Diana Mason – Petroleum Technician State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11

Blacktail Ridge Area #14-29-36 BTR Well

Surface: 539' FSL & 2000' FWL - SESW, 29-T3S-R6W Bottom Hole: 700' FSL & 2000' FWL - SESW, 29-T3S-R6W

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-11, pertaining to Directional Drilling and the Location and Siting of Wells.

- The above-mentioned proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area and also minimize surface disturbance.
- BBC hereby certifies it owns 100% of the working interest within 460 feet of the entire directional well bore.
- Our ownership rights under our Exploration and Development Agreement with the Ute Indian Tribe and UDC provides for the drilling of exploratory wells.
 Said agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8129.

Sincerely,

MAY 0 9 2007

Doug Gundry-White

Senior Landman

1099 18**T**H STREE**T**

SUITE 2300

DENVER, CO 80202

P 303.293.9100

303.291.0420

DIV. OF OIL, GAS & MINING



May 4, 2007

Utah Division of Oil, Gas and Mining P.O. Box 145801 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

14-29-36 BTR
Utah Division of Wildlife Resources Surface Owner/Tribal Minerals SESW, Section 29-T3S-R6W
Duchesne County, Utah

Diana Mason, Permitting - Petroleum Technician:

Enclosed please find a copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. Montgomery Archeological completed a Class III archeological survey for this location and the report dated April 12, 2007, states "no historic properties affected" the site. Enclosed in this package is a copy of the arch report. Also, on April 5, 2007 a threatened and endangered species survey was conducted and the location was cleared. I copy of this report has already been submitted to you.

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock Permit Analyst

Enclosures

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DIV. OF OIL, GAS & MINING

1099 18TH STREET SUITE 2300

DENVER, CO 80202

P 303.293.9100

303.291.0420

FORM APPROVED Form 3160-3 (April 2004) OMB No. 1004-0137 Expires March 31, 2007 UNITED STATES Lease Serial No. DEPARTMENT OF THE INTERIOR BIA-EDA-2OG0005608 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER UTE INDIAN TRIBE 7 If Unit or CA Agreement, Name and No. DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well Gas Well Other lb. Type of Well: ✓ Single Zone Multiple Zone # 14-29-36 BTR Name of Operator 9. API Well No. BILL BARRETT CORPORATION Pending 3-013-2 3b. Phone No. (include area code) 3a. Address 1099 18th Street, Suite 2300 Denver CO 80202 10. Field and Pool (303) 312-8546 Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk, and Survey or Area SESW, 539' FSL, 2000' FWL, Section 29, T3S, R6W At surface Section 29-T3S-R6W U.S.B.&M. At proposed prod. zone SESW, 700' FSL, 2000' FWL, Section 29, T3S, R6W 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* Approximately 11.8 miles southeast of Duchesne, Utah Duchesne 15. Distance from proposed* 17. Spacing Unit dedicated to this well 16. No. of acres in lease location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 539' SHL; 700' BHL N/A 640 20. BLM/BIA Bond No. on file 18. Distance from proposed location* to nearest well, drilling, completed, 19. Proposed Depth 1.650' abandoned well 11.043' MD Nationwide Bond #WYB000040 applied for, on this lease, ft. 22 Approximate date work will start* Elevations (Show whether DF, KDB, RT, GL, etc.) 23 Estimated duration 6501' Ungraded Ground 07/01/2007 45 days 24. Attachments The following completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. 25. Signature Name (Printed/Typed) Date Reed Haddock 05/04/2007 Title Name (Printed/Typed) Title Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Condition's of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. *(Instructions on page 2) Federal Approval of this Action Is Necessary

Surf

535027X 44481744 40.185114 - 110.589548 BUL

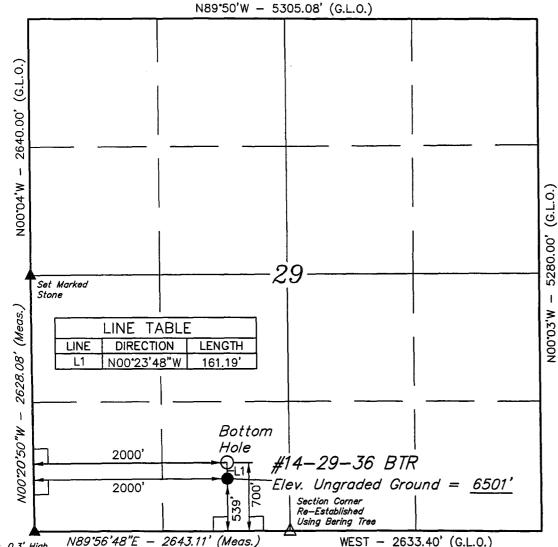
535027X 44482234 40 185557 -110.588551

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MAY 0.9 2007

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T3S, R6W, U.S.B.&M.



Rebar, 0.3' High,
Scattered Stones,
E-W Fence, Old lath

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

= 90' SYMBOL

= PROPOSED WELL HEAD.

 \blacktriangle = SECTION CORNERS LOCATED.

 Δ = SECTION CORNERS RE-ESTABLISHED LO USING BEARING TREE. (Not Set on Ground)

LATITUDE = 40°11'06.54" (40.185150) LONGITUDE = 110°35'21.80" (110.589389) (AUTONOMOUS NAD 27) LATITUDE = 40°11'06.70" (40.185194)

(AUTONOMOUS NAD 83)

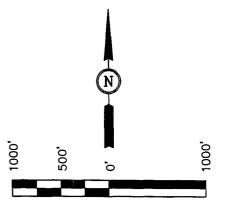
LONGITUDE = 110'35'19.23" (110.588675)

BILL BARRETT CORPORATION

Well location, #14-29-36 BTR, located as shown in the SE 1/4 SW 1/4 of Section 29, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M. TAKEN FROM THE RABBIT GULCH QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP)PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.



SCALE

THIS IS TO CERTIFY THAT THE REOVE PLAT WAS PERARED FROM FIELD NOTES OF ACTUAL SUPPLY MADE BY HE OF THE BEST OF MY KNOWLEDGE AND DELECT TO THE BEST OF MY KNOWLEDGE AND DELECT TO THE

Revised: 4-23-07

Untah Engineering & Land Surveying 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" =	1000'		DATE SURVEYED: 4-5-07	DATE DRAWN: 4-11-07
PARTY D.S.	M.B.	K.G.	REFERENCES G.L.O. PLA	<u> </u>
WEATHER		····	FILE	
COOL			BILL BARRET	T CORPORATION

EASEMENT LEASE AGREEMENT BILL BARRETT CORPORATION

FOR WELLSITES #5-21-36 BTR, #5-23-36 BTR, #14-29-36 BTR, #14-30-36 BTR and their Supporting Roads and Pipelines RABBIT GULCH UNIT OF TABBY MOUNTAIN WILDLIFE MANAGEMENT AREA

UDWR Easement Lease No. DUC-0707EA-021

THIS NON-EXCLUSIVE EASEMENT LEASE AGREEMENT ("Agreement") is made by and between the Utah Division of Wildlife Resources whose address is 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301 (hereafter "Surface Owner") and Bill Barrett Corporation, whose address is 1099 18th Street, Suite 2300, Denver, Colorado 80202 (hereafter "BBC"). Surface Owner and BBC are collectively referred to as "the Parties". "Easement Lease" means the lease of an easement or right-of-way, for which the purpose, specific use, rights granted, location, term, fees, and other conditions are set forth herein.

EXHIBITS

- A.1 Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #5-21-36 BTR
- A.2 Depiction of #5-21-36 BTR Wellsite and Access Road
- A.3 Depiction of Pipeline for #5-21-36 BTR Wellsite.
- B.1 Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #5-23-36 BTR
- B.2 Depiction of #5-23-36 BTR Wellsite and Access Road
- B.3 Depiction of Pipeline for #5-23-36 BTR Wellsite.
- C.1 Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #14-29-36 BTR
- C.2 Depiction of #14-29-36 BTR Wellsite and Access Road
- C.3 Depiction of Pipeline for #14-29-36 BTR Wellsite
- D.1 Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #14-30-36 BTR
- D.2 Depiction of #14-30-36 BTR Wellsite and Access Road
- D.3 Depiction of Pipeline for #14-30-36 BTR Wellsite
- E Surface Use Plan for Bill Barrett Corporation's 2007 2008 Development Program, Lake Canyon and Blacktail Ridge Area, Duchesne County, Utah
- F Reclamation Performance Bond Number LPM89151612
- G Cooperative Agreement, Mitigation Related to Oil and Gas Field Development on the Rabbit Gulch Wildlife Management Area

SECTION 1 GRANT AND LOCATION OF EASEMENT

- Burdened Property. Surface Owner owns certain real property known to Surface Owner as the Rabbit Gulch Unit of the Tabby Mountain Wildlife Management Area ("WMA"). Surface Owner represents that its purposes and uses of owning said WMA is to provide important habitat for wildlife, and to provide wildlife-based recreation for the general public. Surface Owner grants and conveys to BBC a nonexclusive easement lease ("Easement") for four wellsites ("Wellsites" or "Damage Areas") and pipelines and access roads associated with those wellsites. The legal descriptions of the road and pipeline centerlines, and of the wellsites, whichever the case may be, of the portions of the WMA to which Surface Owner is hereby granted an Easement are set forth in Exhibits A.1, B.1, C.1, and D.1, said property hereafter referred to as "Burdened Property" and approximately depicted in Exhibits A.2, A.3, B.2, B.3, C.2, C.3, D.2, and D.3. BBC shall have a 50-foot wide easement, 25 feet on either side of the pipeline centerlines described respectively in Exhibits A.1, B.1, C.1, and D.1 during the construction of the respective pipelines, thereafter to be reduced to a 30-foot width, 15 feet on either side of the respective centerlines. Access roads shall be of a width of 30 feet, 15 feet on either side of the respective centerlines described in Exhibits A.1, B.1, C.1, and D.1.
- 1.2 Right of Third Parties. This Easement is subject to all valid interests of third parties. Surface Owner claims title in fee simple, but does not warrant to BBC the validity of title to the Burdened Property. BBC shall have no claim for damages or refund against

Surface Owner for any claimed failure or deficiency of Surface Owner's title to said lands, or for interference by any third party.

- 1.3 Surveys, Maps, and Plans. In executing this Easement, Surface Owner is relying upon the surveys, plats, diagrams, and/or legal descriptions provided by BBC. BBC is not relying upon, and Surface Owner is not making any representations about any surveys, plats, diagrams, and/or legal descriptions provided by Surface Owner.
- 1.4 Headings. The Headings in this Agreement are for convenience only and are not intended to, and shall not be construed to limit, enlarge, or affect the scope or intent of this Easement nor the meaning of any of its provisions.

SECTION 2 PURPOSE AND SCOPE OF EASEMENT

- 2.1 Purpose. This Easement is granted for the purpose of ingress and egress for the construction, installation, operation, maintenance, repair, and replacement as necessary of drill pads, pipelines, and access roads, subject to and in accordance with the restrictions and conditions set forth herein, in support of BBC's oil and gas operations on the Burdened Property, and for no other purpose. BBC agrees that it shall not remove from Surface Owner's property ordinary sand and gravel or wood products of any kind without the appropriate permit or other written authorization from Surface Owner. Any unauthorized use of the Burdened Property shall be considered a material breach of this Easement.
- 2.2 Number and Kind of Infrastructure. Under this Agreement, BBC shall have the right to construct, maintain and repair a single surface-laid pipeline, not to exceed Twenty-Five (25) inches in diameter, per Wellsite, in the pipeline easement corridors described in Exhibits A.1, B.1, C.1, and D.1.

The Parties agree that production from the wells located on the Burdened Property may require BBC to construct up to two (2) additional pipelines within the same easement corridors for each of the wells. BBC shall make a determination of such requirements within six (6) months after completion of each well drilled on the Burdened Property, and this Agreement shall be amended to include such additional pipelines, upon the payment by BBC for such additional pipelines and the respective administrative costs. At the time of execution of this Agreement, the Parties understand that BBC has not determined the size or type of the individual pipelines that will service the respective Wellsites; nor whether said pipelines will be situated on the surface of the ground, or be buried, which shall be determined as described above.

No other difference in the number, kind, or size of permanent structures to be constructed on the Burdened Property shall be allowed from that set forth in this Agreement, except production facilities, storage tanks, and such equipment deemed necessary by BBC for the production of the wells located on the Burdened Property, said production facilities, storage tanks, and such equipment to be located on the Damage Areas. Paving of any road is expressly prohibited.

- 2.3 Exclusivity. It is expressly understood and agreed that the right herein granted is non-exclusive. Surface Owner hereby reserves the right to issue other non-exclusive easements, leases, or permits on or across the Burdened Property where such uses are appropriate and compatible, or dispose of the property by sale or exchange.
- 2.4 Permittees. BBC may permit its respective employees, agents, contractors, licensees, herein individually referred to as "Permittee" and collectively referred to as "Permittees", to exercise the rights granted herein. Acts or omissions of the Permittees operating under this Easement shall be deemed an act of BBC.

2.5 Seasonal Restrictions.

- (a) BBC shall not engage in construction activities on the Burdened Property including and between the dates of December 1 to April 15 ("Seasonal Closure"), subject to the Cooperative Agreement set forth in Exhibit G. BBC shall have the right to enter the Burdened Property during Seasonal Closure for service, maintenance and repair of its production facilities and the wells to the extent that such service, maintenance and repair could not have reasonably been anticipated or could not reasonably be scheduled for dates outside Seasonal Closure.
- (b) BBC shall have the right to enter the Burdened Property at any time for emergency activities to prevent environmental damage. BBC shall notify Surface Owner of such emergency activities in accordance with Section 5 of this Agreement.
- (c) The Parties agree that, except for emergency activities described in Subsection 2.5(b), should activities for major construction or major maintenance or repair projects during Seasonal Closure be desired by BBC, the Parties shall consult in good faith to determine how such activities might be accomplished without undue harm to wildlife.
- (d) The Parties agree that should extraordinary circumstances arise, including extraordinarily inclemental weather, during Seasonal Closure wherein activities permitted under this Agreement would result in significant harm or stress to or for wildlife, the Parties shall consult in good faith to determine how that significant harm or stress might be avoided.
- (e) The Parties agree that should information pertaining to wildlife or vegetation become known to either one or both the Parties, and which would be useful in preventing harm to wildlife or vegetation, the Parties shall consult in good faith to determine how activities allowed under this Agreement might be modified, to the extent the Parties might agree at that time.
- (f) As described in Section 5 of this Agreement, BBC shall notify Surface Owner of BBC's activities in some circumstances.

SECTION 3 TERM AND RENEWAL

- 3.1 Term Defined. The term of this Easement is thirty (30) years ("Term"), commencing on the date of the last signature affixed to this Agreement, unless earlier terminated, subject to the terms and conditions set forth in this Agreement, and any valid and exiting rights.
- 3.2 Renewal of the Easement. BBC shall have the option to renew this Easement and BBC may exercise this option by providing written notice of its election to renew at any time within six (6) months but not later than (30) days prior to the Termination Date of the Initial Term of this Easement. BBC shall not be entitled to renew if it is in default under the terms of this Easement or other agreement with Surface Owner at the time the option to renew is exercised. The terms and conditions of any renewal Term shall be renegotiated under the conditions, rules and laws in effect at the time of renewal. The Parties shall have sixty (60) days to come to agreement on the conditions and value of the easement after Surface Owner's receipt of BBC's notice of intent to renew. After the aforementioned six-month period, BBC's option to renew shall be null and void and the Easement shall terminate at the conclusion of this Agreement's Term.

SECTION 4 RENT/ PAYMENT

All payments are final. There shall be no pro-rata reimbursement of any payments hereunder should the Easement outlined under this Agreement terminate before its Term has lapsed.

- 4.1 Rental Payment. BBC shall pay a single use payment for the initial Term in the amount of Thirty-Five Thousand, Two-Hundred and Fifty-Two and Nine One-Hundredths Dollars (\$35,252.09) (\$30,796.41 in Right-of-Way fees, plus \$4,455.68 in Administrative Cost Recovery). Payment is due when BBC returns this Agreement to Surface Owner appropriately signed and notarized. Surface Owner shall be entitled to additional compensation for any additional Use or User outside the scope of this Easement. Use or User shall not be construed to include affiliates or joint venturers of BBC so long as the Use or User remains within the scope of this Easement. For purposes of this Agreement,
 - (a) "affiliate" means any entity under common control with BBC, or under control of BBC. Control for purposes of this Agreement means 80% or more of the voting interests of the entity being held by the controlling entity.
 - (b) "joint venturer" means a party to an operating agreement, including pooled parties pursuant to state regulations, with respect to a Wellsite located on the Burdened Property.
- 4.2 Administrative Costs. In approving a request to apportion, assign, or transfer an interest in this Easement, Surface Owner shall be entitled to charge for administrative costs for approving the transfer.
- 4.3 Non-Waiver. Surface Owner's acceptance of a payment shall not be construed to be a waiver of any preceding or existing breach other than the failure to pay the particular payment that was accepted.

SECTION 5 NOTIFICATION OF ACTIVITIES

- 5.1 All notifications shall reference the Easement number and the location of BBC's activity. Notification of activities covered under this Section shall be deemed sufficient if made solely to Surface Owner's Northeastern Region Habitat Manager or Petroleum Biologist. The respective time periods required between notification and commencement of activities covered under this Subsection may be waived in writing, which may include email, by Surface Owner's Northeastern Region Supervisor, Habitat Manager or Petroleum Biologist.
- 5.2 BBC shall notify Surface Owner:
 - (a) at least Twenty-Four (24) hours prior to any major repair contemplated in Subsection 2.5(a) of BBC's facilities during Seasonal Closure, if such repair requires the use of heavy equipment such as backhoes or other mechanized earth-moving equipment, heavy boom trucks, or cranes.
 - (b) within five (5) business days after the start of emergency activities during Seasonal Closure, said activities contemplated in Subsection 2.5(b).
- 5.3 Regardless of Seasonal Closure restrictions, BBC shall notify Surface Owner at least three (3) days prior to excavation of any previously reclaimed site, except in cases where such excavation takes place as a result of emergency activities contemplated in Subsection 2.5(b), in which case notification shall take place within five (5) days after the start of emergency activities.
- 5.4 Should future conditions be such that Surface Owner determines there is little wildlife-monitoring value facilitated by BBC's prior notification, the Parties may amend this Agreement and terminate the prior notification requirements of this Section, to the extent the Parties may mutually agree in writing at the time.

SECTION 6 CONSTRUCTION, MAINTENANCE AND REPAIR OF EASEMENT AND IMPROVEMENTS AND TRADE FIXTURES

- BBC's Activities. BBC shall conduct its construction, maintenance and repair operations 6.1 in accordance with the Surface Use Plan attached as Exhibit E; however, should any provisions of the Surface Use Plan conflict with any provision set forth in the body of this Agreement, the provision in the body of this Agreement shall govern. BBC shall promptly repair, at its sole cost, all damages to the Burdened Property, and to any improvements, or natural resources such as soil or vegetation resources, thereon which are caused by BBC's activities. BBC shall take all reasonable precautions to protect the Burdened Property and any improvements thereon. Any damage to natural resources which are excessive or unnecessary shall be paid to Surface Owner at a price or cost determined by bids or estimates of the cost of repair. All work performed by BBC shall be completed in a careful and workman-like manner to Surface Owner's satisfaction, free of any claims or liens. Upon completion of any work performed by BBC, BBC shall remove all debris and restore the Burdened Property, as nearly as practicable, to the condition it was in prior to commencement of the work. BBC shall notify Surface Owner in writing within five (5) days after completion of work, to allow Surface Owner to inspect the work.
- 6.2 Waste. BBC shall commit no waste on the Burdened Property and will make reasonable efforts to keep the property clean. BBC shall not cause any filling activity on the Burdened Property. This prohibition includes any deposit of rock, earth, ballast, refuse, garbage, waste matter (including chemical, biological or toxic wastes), hydrocarbons, any other pollutants, or other matter in or on the Burdened Property, except as provided under this Agreement or approved in writing by Surface Owner. Ordinary waste committed by third parties on the Burdened Property shall be removed by BBC, at BBC's cost. If BBC fails to comply with this Subsection, Surface Owner may take any steps reasonably necessary to remedy such failure, subject to the notice and right to cure provisions of Section 11. Upon demand by Surface Owner, BBC shall pay all costs of such remedial action, including, but not limited to the costs of removing and disposing of any material deposited improperly on the Burdened Property. This section shall not in any way limit BBC's liability under Section 9, below.
- 6.3 Weed Control. BBC shall monitor the Burdened Property for noxious weeds, and shall promptly eradicate, at BBC's own cost, all noxious weeds on the Burdened Property. BBC shall also control at its own cost any infestation that has spread beyond the boundaries of the Burdened Property if such infestation is reasonably deemed by Surface Owner to have originated on, and spread from, the Burdened Property as evidenced by weed colonization on the Burdened Property and patterns of weed colonization local to the Burdened Property. Such weed control shall comply with the Utah Noxious Weed Act, any Administrative Rules promulgated therefrom, and County noxious weed control programs. BBC shall consult with Surface Owner regarding BBC's control of noxious weeds on the Burdened Property. All methods of chemical weed control shall be approved by Surface Owner prior to beginning such activities. No aerial spraying without prior approval by Surface Owner is permitted. All earth-moving equipment shall be thoroughly cleaned of soil and other materials that may harbor noxious weed seeds prior to being moved onto Surface Owner's property. If BBC fails to take action to control noxious weeds within five (5) days following notice from Surface Owner, Surface Owner may undertake control measures, and BBC shall reimburse Surface Owner upon demand for all costs incurred in implementing such measures. BBC will continue to be responsible for noxious weed control on the Burdened Property after termination of the Easement until Surface Owner is satisfied with the results and has in written notification released BBC from its weed control obligations, which notification shall not be unreasonably withheld.
- **6.4 Installation Specifications.** Where improvements are buried, they shall be buried at a minimum depth of three (3) feet below the surface of the Burdened Property. For installations within roadways, the improvements shall be buried at a minimum depth of three (3) feet below the road surface or three (3) feet below the bottom of the ditch,

whichever applies. Surface Owner reserves the right to inspect the open trench during construction to ensure compliance with the installation specifications.

- 6.5 **Pre-construction.** Forty-Eight (48) hours prior to commencement of the activities associated with installation of the facilities within the Easement granted herein, BBC shall notify Surface Owner's Appropriate Regional Habitat Manager to advise of the activities that will occur and an estimated time frame for said activities as depicted on the relevant Exhibit describing said construction on the Burdened Property. Thirty (30) days prior to any subsequent construction or reconstruction by BBC on the Burdened Property, BBC shall submit a written plan of construction to Surface Owner's Appropriate Regional Habitat Manager outlining the construction or activity for Surface Owner's approval. During the course of construction, operations, or maintenance, BBC shall minimize soil erosion and damage to soil. BBC will not remove any timber or other valuable materials, including, but not limited to, those materials identified or sold as valuable materials from the Burdened Property, until BBC has received the appropriate permits or other written approval from Surface Owner to remove such valuable materials and has made provisions to compensate Surface Owner for the value of the valuable materials.
- 6.6 Road Maintenance. Maintenance is defined as work normally necessary to preserve and keep the road in satisfactory and functional repair.
 - (a) BBC herein is responsible for maintaining any roads on Surface Owner's property used in conjunction with this Agreement; however, the cost of performance of road maintenance and resurfacing shall be allocated on the basis of respective users of said roads. Where one or more authorized party(ies) uses a road, or portion thereof, those parties shall perform or cause to be performed, or contribute or cause to be contributed, that share of maintenance and resurfacing occasioned by such use as hereinafter provided. During periods when a road is being used solely by one party, such party shall maintain that portion of said road so used to the standards equal to or better than those existing at the time use is commenced; provided Surface Owner reserves the right to make reasonable regulations concerning priority of use and maintenance of said roads by it and others.
 - (b) During periods when more than one party is using the same road, or any portion thereof, the parties hereto shall meet and establish necessary maintenance provisions. Such provisions shall include, but shall not be limited to:
 - (1) The appointment of a maintainer, which may be one of the Parties hereto or any third party, who will perform or cause to be performed at a reasonable and agreed upon rate the maintenance and resurfacing of the road or the portion thereof being used; and
 - (2) A method of payment by which each party using said road or a portion thereof, shall pay its pro rata share of the cost incurred by said maintainer in maintaining or surfacing said road or portion thereof.
- 6.7 Road Repair. BBC shall repair or cause to be repaired at its sole cost and expense that damage to roads used under this Easement in excess of that caused by normal and prudent usage of said roads. Should damage be caused by an unauthorized user, the cost of repair shall be treated as ordinary maintenance and handled as set forth above. BBC may add or replace gravel on road surfaces on the Burdened Property, but shall not pave any portion of the road without Surface Owner's written consent.
- 6.8 Road Restoration. If BBC fouls the surfacing by dragging earth from sides or other sources across the road and onto the surface portion of the road, BBC shall resurface that portion so affected at its sole cost and expense. Where the Easement crosses existing roads, BBC shall restore roads as near as practicable to their original condition, if any damage occurs to those roads during BBC's use of this Easement.

- **6.9** Road Improvements. Unless the Parties agree in writing to share the cost of improvements, improvements shall be at the sole expense of the improver.
- 6.10 Road Relocation. Surface Owner may request the relocation of a road in order to protect wildlife, soil, or vegetation resources or minimize damage thereto, so long as the new location does not unreasonably interfere with BBC's rights herein. The costs of such relocation shall be divided as negotiated and agreed by the Parties.
- 6.11 Resource Damage. BBC shall take all reasonable precautions to protect Surface Owner-owned crops and trees. BBC shall report to Surface Owner any visible resource damage, illegal dumping, or any other change in condition on the Burdened Property that is observed from BBC's observations of the Easement.

SECTION 7 INTERFERENCE

BBC shall exercise its rights under this Easement so as not to unreasonably interfere with Surface Owner's use of the Burdened Property or with the public's ability to use Surface Owner's lands for purposes of lawful recreation, except during periods of construction of BBC's facilities. Any improvements and trade fixtures constructed by BBC on the Burdened Property shall be placed and constructed so as to allow reasonably unobstructed movement over and across the Burdened Property.

SECTION 8 COMPLIANCE WITH LAWS

BBC shall comply with all applicable laws, including all Surface Owner's rules and regulations, and state, county and municipal laws, ordinances, or regulations in effect. BBC shall obtain and be in possession of all permits and licenses required for the authorized use of the Easement and shall provide proof of such permits/licenses upon request by Surface Owner.

SECTION 9 ENVIRONMENTAL LIABILITY/RISK ALLOCATION

- 9.1 Definition. "Hazardous Substance" means any substance which now or in the future becomes regulated or defined under any federal, State, or local statute, ordinance, rule, regulation, or other law relating to human health, environmental protection, contamination or cleanup, including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), 42 U.S.C. 9601, et seq.
- 9.2 Use of Hazardous Substances. BBC covenants and agrees that Hazardous Substances will not be used, stored, generated, processed, transported, handled, released, or disposed of in, on, under, or above the Burdened Property, except in accordance with all applicable Local, State, and Federal laws.
- 9.3 Current Conditions, Duty of Utmost Care, and Duty to Investigate.
 - (a) Surface Owner makes no representation about the condition of the Burdened
 Property. Hazardous Substances may exist in, on, under, or above the Burdened Property.
 - (b) BBC shall exercise the utmost care with respect to both Hazardous Substances in, on, under, or above the Burdened Property, and any Hazardous Substances that come to be located in, on, under or above the Burdened Property during the Term of this agreement, along with the reasonably foreseeable acts or omissions of third parties affecting those Hazardous Substances, and the reasonably foreseeable consequences of those acts or omissions. The obligation to exercise utmost care under this Subsection 9.3 includes, but is not limited to, the following requirements:

- (1) BBC shall not undertake activities that will cause, contribute to, or exacerbate contamination of the Burdened Property;
- (2) BBC shall not undertake activities that damage or interfere with the operation of remedial or restoration activities on the Burdened Property;
- (3) BBC shall not undertake any activities that result in the mechanical or chemical disturbance of Burdened Property habitat mitigation, except as reasonably necessary for BBC's use and occupancy of the Burdened Property, and in such instances will notify Surface Owner prior to undertaking such activities; and
- (4) BBC shall allow access to the Burdened Property by employees and authorized agents of the Environmental Protection Agency, the State of Utah or other similar environmental agencies.
- (c) It shall be BBC's obligation to gather sufficient information to its satisfaction concerning the Burdened Property and the existence, scope and location of any Hazardous Substances on the Burdened Property, or on adjoining property (to the extent reasonably discoverable or ascertainable), as required for BBC to effectively meet its obligations to comply with all applicable laws regarding such Hazardous Substances.
- **9.4 Notification and Reporting.** BBC shall immediately notify Surface Owner if BBC becomes aware of any of the following:
 - (a) A release or threatened release of Hazardous Substances in, on, under or above the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property;
 - (b) Any actual or alleged violation of any federal, state, or local statute, ordinance, rule, regulation, or other law pertaining to Hazardous Substances with respect to the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property, in the event BBC observes or is notified of such violations;
 - (c) Any lien or action with respect to any of the foregoing; or,
 - (d) Any notification from the U.S. Environmental Protection Agency (EPA) or the State of Utah that remediation or removal of Hazardous Substances is or may be required at the Burdened Property.
 - (e) BBC shall, at Surface Owner's request, provide Surface Owner with copies of all reports, studies, or audits which pertain to the Burdened Property, and which are or were prepared by or for BBC and submitted to any federal, State, or local authorities as required by any federal, State, or local permit, license, or law. These reports or permits may include, but are not limited to, any National or State Pollution Discharge Elimination System Permit, any Army Corps of Engineers permit, any Hydraulics Project Approval or any Water Quality Certification.
- 9.5 Indemnification. BBC shall fully indemnify, defend, and hold Surface Owner, its director, managers, employees and agents harmless from and against any and all claims, demands, damages, damages to natural resources such as soil, water, vegetation, and wildlife, response costs, remedial costs, cleanup costs, losses, liens, liabilities, penalties, fines, lawsuits, other proceedings, costs, and expenses (including attorney's fees and disbursements), that arise out of or are in any way related to:
 - (a) The use, storage, generation, processing, transportation, handling, or disposal of any Hazardous Substance by BBC, its contractors, agents, employees, guests, invitees, or affiliates in, on, under, or above the Burdened Property, any adjoining property, or any

other property subject to use by BBC in conjunction with its use of the Burdened Property, during the term of this Easement or during any time when BBC occupies or occupied the Property.

- (b) The release or threatened release of any Hazardous Substance in, on, under, or above the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property, which release or threatened release occurs or occurred during the term of this Easement or during any time when BBC occupies or occupied the Burdened Property or any such other property and as a result of:
 - Any act or omission of BBC, its contractors, agents, employees, guests, (1) invitees, or affiliates; or
 - Any reasonably foreseeable act or omission of a third party unless BBC (2)exercised the utmost care with respect to the reasonably foreseeable acts or omissions of the third party and the reasonably foreseeable consequences of those acts or omissions.
- (c) A breach of the obligations of Subsection 9.3, above, by BBC, its contractors, agents, employees, guests, invitees, or affiliates.
- 9.6 Cleanup. If a release of Hazardous Substances occurs in, on, under, or above the Burdened Property or other Surface Owner-owned property arising out of any action, inaction, or event described or referred to in Subsection 9.5 above, BBC shall, at its sole expense, promptly take all actions necessary or advisable to clean up the Hazardous Substances. Cleanup actions shall include, without limitation, resource restoration, mitigation, removal, containment and remedial actions and shall be performed in accordance with all applicable laws, rules, ordinances, and permits. BBC's obligation to undertake a cleanup of the Burdened Property under this Subsection 9.6 shall be limited to those instances where the Hazardous Substances exist in amounts that exceed the threshold limits of any applicable Federal, State and Local regulatory cleanup standards, or where it is determined that there will be continuing damages to natural resources in the absence of a cleanup action. BBC shall also be solely responsible for all cleanup, administrative, and enforcement costs of governmental agencies, including natural resource damage claims arising out of any action, inaction, or event described or referred to in Subsection 9.5, above. BBC may take reasonable and appropriate actions without advance approval in emergency situations.

9.7 Sampling by Surface Owner, Reimbursement, and Split Samples.

- Surface Owner may conduct sampling, tests, audits, surveys or investigations ("Tests") of the Burdened Property at any time to determine the existence, scope, or effects of Hazardous Substances on the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property. If such Tests indicate the existence, release or threatened release of Hazardous Substances arising out of any action, inaction, or event described or referred to in Subsection 9.5, above, BBC shall promptly reimburse Surface Owner for all costs associated with such Tests.
- Surface Owner's ability to seek reimbursement for any Tests under this Subsection shall be conditioned upon Surface Owner providing BBC written notice of its intent to conduct any Tests at least thirty (30) calendar days prior to undertaking such Tests, unless such Tests are performed in response to an emergency situation, in which case Surface Owner shall only be required to give such notice as is reasonably practical.
- (c) BBC shall be entitled to split samples of any Test samples obtained by Surface Owner. The additional cost of any split samples shall be borne solely by BBC. Any additional costs Surface Owner incurs by virtue of BBC's split sampling shall be reimbursed to Surface Owner within thirty (30) calendar days after a bill for such costs is sent to BBC.

9.8 Contamination Investigation.

- If Surface Owner has reason to believe that a release or threatened release of Hazardous Substances has occurred on the Burdened Property during BBC's occupancy, Surface Owner may require BBC to conduct a Closeout Environmental Assessment (Closeout Assessment) by providing BBC with written notice of this requirement no later than ninety (90) calendar days prior to the Easement termination date, or within ninety (90) days of any valid notice to terminate the easement earlier than originally agreed. The purpose of the Closeout Assessment shall be to determine the existence, scope, or effects of any Hazardous Substances on the Burdened Property and any associated natural resources. If the initial results of the Closeout Assessment disclose the existence of Hazardous Substances that may have migrated to other property, Surface Owner may require additional Closeout Assessment work to determine the existence, scope, and effect of any Hazardous Substances on adjoining property, any other property subject to use by BBC in conjunction with its use of the Burdened Property, or on any associated natural resources. The Closeout Assessment may include Sediment Sampling as well as any additional testing requirements Surface Owner may require based on changes in scientific, statutory, or regulatory standards for information concerning the activities of BBC, its contractors, agents, employees, guests, invitees, or affiliates.
- (b) Prior to undertaking the Closeout Assessment, BBC shall submit a proposed plan in writing for Surface Owner's approval. The plan shall be provided to Surface Owner within thirty (30) days of Surface Owner's notice requiring the Closeout Assessment. If Surface Owner fails to respond in writing, either approving or disapproving of the proposed plan, within thirty (30) days of its receipt, the proposed plan shall be deemed approved. BBC shall be responsible for all costs required to complete planning, sampling, analyzing, and reporting associated with the Closeout Assessment.
- 9.9 Reservation of Rights. The Parties have agreed to allocate certain environmental liabilities by the terms of Section 9. With respect to those environmental liabilities covered by the indemnification provisions of Subsection 9.5, that subsection shall exclusively govern the allocation of those liabilities. With respect to any environmental liabilities not covered by Subsection 9.5, the Parties expressly reserve and do not waive or relinquish any rights, claims, immunities, causes of action or defenses relating to the presence, release, or threatened release of Hazardous Substances in, on, under or above the Burdened Property, any adjoining property or any other property subject to use by BBC in conjunction with its use of the Burdened Property that either Party may have against the other under Federal, State or local laws, including but not limited to, CERLCA, MTCA, and the common law. No right, claim, immunity, or defense either party may have against third parties is affected by this Easement and the Parties expressly reserve all such rights, claims, immunities, and defenses. The allocations of risks, liabilities, and responsibilities set forth above do not release BBC from or affect BBC's liability for claims or actions by Federal, state, or local regulatory agencies concerning Hazardous Substances.
- 9.10 Impacts to Wildlife. BBC, its employees, contractors, successors and assigns shall make reasonable and good faith efforts to protect any legally protected wildlife to the best of their knowledge and ability. BBC shall report to Surface Owner any harm, threats to harm or harass any legally protected wildlife should BBC become aware of such harm or threats to harm or harass legally protected wildlife in the ordinary course of its operations on the Burdened Property.

SECTION 10 PRESERVATION OF SURVEY CORNERS

BBC shall exercise reasonable care to ensure that all legal land subdivision survey corners and witness objects are preserved. If any survey corners or witness objects are destroyed or disturbed by BBC, BBC shall reestablish them by a registered professional engineer or licensed land surveyor in accordance with US General Land Office standards, at BBC's own expense. Corners and/or witness objects that must necessarily be disturbed

or destroyed in the process of construction of improvements and trade fixtures must be adequately referenced and/or replaced in accordance with all applicable laws and regulations in force at the time. The references must be approved by Surface Owner prior to removal of the survey corners and/or witness objects.

SECTION 11 TERMINATION OF EASEMENT

11.1 Termination for Cause. This Easement shall terminate if BBC receives notice from Surface Owner that BBC is in material breach of this Easement and BBC fails to cure that breach within ninety (90) days of Surface Owner's notice, or such longer period as may be required under the circumstances as approved by Surface Owner. If the breaching party fails to correct such breach or fails to diligently undertake efforts to cure such breach within such period, Surface Owner may terminate this Easement without further notice; provided, however, such termination shall not release the breaching party from liability for damage prior to such termination. In addition to terminating this Easement, Surface Owner shall have any other remedy available to it. Surface Owner's failure to exercise its right to terminate at any time shall not waive Surface Owner's right to terminate for any future breach.

11.2 Termination for Non-Use.

- (a) BBC shall submit to Surface Owner a summary report of BBC's use of the Easement within thirty (30) days of the first anniversary of this Agreement, and an annual report thereafter, along with a fee of One Hundred Dollars (\$100) for Surface Owner's administration of this Easement; Surface Owner reserves the right to recoup from BBC additional reasonable administrative costs if Surface Owner's costs are significantly in excess of One Hundred Dollars (\$100).
- (b) Any portion of the Easement that is determined to be unused or abandoned pursuant to this paragraph shall terminate. BBC shall upon request of Surface Owner execute a release of interest in the portion abandoned under the provisions of this Section. Under the non-use clause, BBC shall be responsible for surface reclamation and restoration of the Burdened Property in accordance with Section 12 of this Agreement. Any portion of this Easement that is so described by the following conditions shall be deemed to be unused and abandoned:
- (1) Within 365 days of the date of execution of this Agreement, BBC fails to commence construction and installation of the infrastructure authorized under this Easement, unless otherwise waived by Surface Owner in writing;
- (2) Within two (2) years of the date of execution of this Agreement, BBC does not obtain production of oil or gas from BBC's oil and gas interests which relate to the Burdened Property, unless otherwise waived by Surface Owner in writing; or
- (3) If after establishing production, BBC suspends production or operations for the drilling or reworking of a well on BBC's oil and gas interests for a period longer than thirty-six (36) consecutive months, unless otherwise waived by Surface Owner in writing.
- 11.3 Voluntary Termination. This Easement may also terminate as to all or part of the Burdened Property if BBC has satisfied its outstanding obligations as to the part to be relinquished, provides Surface Owner with sixty (60) days written notice of its intent to terminate, and executes a release of interest to the portion terminated in recordable form. BBC shall not be entitled to a refund for any relinquishment.
- 11.4 BBC's Obligations. BBC obligations not fully performed upon termination shall continue until fully performed.

SECTION 12. RECLAMATION

- 12.1 Timing. As soon as practicable, following the construction of improvements and trade fixtures, or termination of the Easement, all disturbed land, other than access road driving surfaces for those portions of the Easement not terminated, will be recontoured to the approximate natural contours.
- 12.2 Soil. During construction of wellsites, access roads, and pipelines, any and all topsoil moved or removed will be stockpiled and preserved for present and future project area restoration. Soil from the right of way shall not enter any live stream or open water.
- 12.3 Revegetation. BBC will re-establish a successful vegetation cover by reseeding with a seed mixture of shrubs, forbs, and grasses, as specified by Surface Owner. BBC will not be released from this obligation until Surface Owner has inspected the site for two (2) years following construction and reclamation, and has made a determination that the revegetation is successful, or such time thereafter until re-vegetation has become successful.
- 12.4 Unauthorized Travel. In consultation with Surface Owner, BBC will undertake reasonable measures, including the placement of signage, cattle guards, trenches, barrier rock or other obstacles, to restrict unauthorized motorized travel, including that of third parties, on or across the Burdened Property. If such measures are not effective in controlling unauthorized motorized travel, BBC will consult with Surface Owner on additional measures that may be required to restrict such unauthorized motorized travel on the Burdened Property.
- 12.5 Failure to Reclaim. Surface Owner shall have the right, subject to at least sixty (60) days prior notice and a right to cure, to use funds from BBC's surety bond to complete reclamation or restoration if BBC fails to do so.

SECTION 13 OWNERSHIP AND REMOVAL OF IMPROVEMENTS, TRADE FIXTURES, AND EQUIPMENT

- 13.1 Improvements. No BBC-Owned improvements, other than appurtenances for the rights herein granted, shall be placed on the Burdened Property without Surface Owner's prior written consent.
- 13.2 Ownership of Improvements and Trade Fixtures. Except as provided herein, BBC shall retain ownership of all improvements and trade fixtures it may place on the Burdened Property (collectively "BBC Owned Improvements"). BBC-Owned Improvements shall not include any construction, reconstruction, alteration, or addition to any Unauthorized Improvements as defined in Subsection 13.5 below.
- 13.3 Construction. Issuance of this Easement shall constitute authorization to undertake the initial construction work specified in that agreement without the need for further notice. Subsequent alterations, significant repairs, or new construction shall require advance notice to Surface Owner as contemplated in Section 5.
- 13.4 Removal. BBC-Owned improvements and trade fixtures that have been installed above or below ground shall be removed by BBC by the Termination Date unless Surface Owner notifies BBC in writing that such may remain. If Surface Owner elects to have such above ground improvements remain on the Burdened Property after the Termination Date, they shall become the property of Surface Owner without payment by Surface Owner. If BBC wishes to leave improvements on the Burdened Property upon expiration of the Easement, BBC shall notify Surface Owner of such intent at least one hundred eighty (180) days before the Termination Date. Surface Owner shall then have ninety (90) days in which to notify BBC whether Surface Owner elects to have the improvements removed or to have them remain. Failure to notify BBC shall be deemed an election by Surface Owner for the improvements to be removed from the Burdened

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Property. If the improvements remain on the Burdened Property after the Termination Date without Surface Owner's actual or deemed consent, Surface Owner may remove them at BBC's expense. Surface Owner may require BBC to abandon improvements and/or trade fixtures, rather than remove them. Such abandonment shall be undertaken in accordance with a plan approved by Surface Owner. Abandonment of buried facilities should be performed in accordance with the appropriate regulations and any applicable permits. Should Surface Owner elect to allow any part of BBC's improvements or trade fixtures to remain affixed to the Burdened Property, BBC shall make a diligent and goodfaith effort to clean the improvements or trade fixtures using the best industry practices and technologies available at the time, as directed by Surface Owner, in order to minimize as much as reasonably practical, environmental contaminants left on or in the Burdened Property.

13.5 Unauthorized Improvements. Improvements made on the Burdened Property without Surface Owner's prior written consent are not authorized ("Unauthorized Improvements"). Surface Owner may, at its option, require BBC to sever, remove, and dispose of them or allow them to remain upon amendment of this Agreement, at which time all provisions of this Agreement shall apply to the Unauthorized Improvements unless otherwise explicitly stated in the amendment. If BBC fails to remove an Unauthorized Improvement within sixty (60) days of notification by Surface Owner, Surface Owner may remove the Unauthorized Improvements and charge BBC for the cost of removal and disposal.

SECTION 14 INDEMNITY

BBC agrees to protect, indemnify, save and hold harmless Surface Owner, its agents and employees, from and against all claims, demands, damages, and causes of action of every kind or character on account of bodily injuries, death, or damage to property arising because of, for, out of, or in any way connected with the performance of BBC under this Agreement, except where such injury, death, or damage has resulted from the sole negligence of Surface Owner without negligence or willful act on the part of BBC, its agents, employees, or subcontractors. BBC shall defend all suits brought upon such claims and pay all costs and expenses incidental thereto, but Surface Owner shall have the right, at its option, to participate in the defense incidental thereto without relieving BBC of any obligation hereunder. BBC's liability to Surface Owner for hazardous substances, and its obligation to indemnify, defend, and hold Surface Owner harmless for hazardous substances, shall be governed exclusively by Section 9.

SECTION 15 FINANCIAL SECURITY

15.1 Bonding. At its own expense, BBC shall procure and maintain a non-cancellable corporate surety bond or provide other financial security satisfactory to Surface Owner (the "Bond") in an amount equal to Three-Hundred and Eighty-One Thousand Dollars (\$381,000), said amount equivalent to One-Hundred and Seventy-Five Percent (175%) of the estimated construction costs of the authorized improvements less materials, said estimated costs represented by BBC, to be placed on or in the Burdened Property, which shall secure BBC's full performance of its obligations under this Agreement. The amount of this bond shall not be deemed to limit any liability of BBC. The Bond shall be in a form and issued by a surety company acceptable to Surface Owner. BBC shall maintain the Bond so long as it uses the Easement. The Bond shall be in effect even if Surface Owner has conveyed all or part of the easement interest to a sublessee, assignee, or subsequent operator until Surface Owner fully satisfies its obligations, or until the Bond is replaced with a new bond posted by the sublessee assignee or subsequent operator. Said Bond at the date of execution of this Agreement is issued by Fidelity and Deposit Company of Maryland and is identified as Bond Number LPM89151612 (see Exhibit F).

- 15.2 Bond Increase. BBC agrees that, for the causes stipulated below, at any time during the term of this Easement, Surface Owner may require that the amount of an existing Bond be increased in a sum described below, said Bond to be conditioned upon full compliance with all terms and conditions of this Easement and the rules relating hereto.
 - (a) Inflation. Surface Owner has the option of requiring the value of the Bond to be adjusted to compensate for inflationary pressures on the dollar. The amount of adjustment shall be determined through the use of the Bureau of Labor Statistics Western Region Urban Consumer Price Index ("Western Region CPI-U"). Said adjustments shall reference the year 2007 Western Region CPI-U, and shall be directly proportional to the percent change in Western Region CPI-U between the year 2007 and the year preceding the date of adjustment.
 - (b) Additional Improvements. Surface Owner has the option of requiring increases in the Bond value for additional improvements authorized under amendments to this Agreement, the increases to be in an amount equivalent to 150% of the estimated costs of construction of said improvements, less materials.
- 15.3 Default. Upon any default by BBC in its obligations under this Easement, Surface Owner may collect on the Bond to offset the liability of BBC to Surface Owner, subject to the notice and right to cure provisions in Sections 11 and 12 herein. Collection on the Bond shall not relieve BBC of liability, shall not limit any of Surface Owner's other remedies, and shall not rein Surface Owner or cure the default or prevent termination of the Easement because of the default. Should the cost of BBC's obligations exceed the value of the Bond, BBC, it's successors and assigns, shall be liable for the costs over and above the bonded amount.

SECTION 16 TAXES AND ASSESSMENTS

BBC shall promptly pay all taxes, assessments and other governmental charges of any kind whatsoever levied as a result of this Easement or relating to BBC's improvements and trade fixtures constructed pursuant to this Easement.

SECTION 17 ADVANCE BY SURFACE OWNER

If Surface Owner advances or pays any costs or expenses for or on behalf of BBC, including, but not limited to taxes, assessments, insurance premiums, costs of removal and disposal of unauthorized materials, costs of removal and disposal of improvements and trade fixtures, or other amounts not paid when due, BBC shall reimburse Surface Owner the amount paid and shall pay interest on such amount at the rate of one percent (1%) per month from the date Surface Owner notifies BBC of the advance or payment.

SECTION 18 NOTICE

Any notices required or permitted under this Agreement may be personally delivered or mailed by certified mail, return receipt requested, to the following addresses or to such other places as the parties may direct in writing from time to time:

Surface Owner

Habitat Section Utah Division of Wildlife Resources 1594 West North Temple, Suite 2110 Salt Lake City, Utah 84114-6301

AND

Habitat Section
Utah Division of Wildlife Resources
152 East 100 North, Suite 9
Vernal, Utah 84078

BBC

Bill Barrett Corporation Attn: Huntington T. Walker Sr. Vice President - Land 1099 18th Street, Suite 2300 Denver, Colorado 80202

A notice shall be deemed given and delivered upon personal delivery, upon receipt of a confirmation report if delivered by facsimile machine, email or three (3) days after being mailed as set forth above, whichever is applicable.

SECTION 19 RESERVATIONS

Surface Owner, its successors and assigns, reserves all ownership of the Burdened Property and profits thereon, and the right of use for any and all purposes that do not unreasonably interfere with the rights granted herein, including the right to keep the Burdened Property open for public use for recreation; the right to remove profits from the Burdened Property; the right at all times to cross and recross the Burdened Property at any place on grade or otherwise; and the right to use the Easement for access to and from the lands owned by Surface Owner on both sides of the Easement. Surface Owner may grant to third parties any and all rights reserved. Once BBC clears or removes any vegetation on the Burdened Property as provided in this Agreement, vegetation that is subsequently grown in such cleared areas shall belong to Surface Owner.

SECTION 20 CULTURAL RESOURCES

It is hereby understood and agreed that all treasure-trove, all articles of antiquity, and critical paleontological resources in or upon the Burdened Property or adjacent lands belonging to Surface Owner are and shall remain the property of Surface Owner. BBC agrees that all costs associated with archeological and paleontological investigations on the Burdened Property that may be required by Surface Owner will be borne by BBC. BBC further agrees to cease all activity on the subject lands and immediately notify Surface Owner if any discovery of human remains or a "site" or "specimen," as defined in Section 9-8-302 or 63-73-1 Utah Code Annotated (1953), as amended, is made on the Burdened Property, and continue to cease all construction or maintenance therein until such time as the human remains, "site" or "specimen" in question has been treated to the satisfaction of Surface Owner.

SECTION 21 ASSIGNMENT

21.1 Consent of Surface Owner. BBC shall not hypothecate, mortgage, assign, transfer or otherwise alienate this Easement, or any interest therein, without the prior written consent of Surface Owner, which shall not be unreasonably withheld. In no case shall such consent operate to relieve BBC of the responsibilities or liabilities assumed by BBC hereunder, or be given unless such party is acceptable to Surface Owner and assumes in writing all of the obligations of BBC under the terms of this Easement as to the balance of the term thereof, or acquires the rights in trust as security and subject to conditions such as Surface Owner deems necessary. A sublease, conveyance, or assignment must be a sufficient legal instrument, properly executed and acknowledged, and should clearly set forth the easement lease contract number, lands involved, and the name and address of the assignee, and shall include any agreement which transfers control of the Easement to

a third party. A copy of the documents subleasing, conveying, or assigning the interest shall be given to Surface Owner prior to Surface Owner's approval or denial of the assignment.

- 21.2 Assignee. Any assignment shall be in keeping with the purposes of this Easement and may only be made to a party qualified to do business in the State of Utah, and which has authority to operate the said facilities, and which is not in default under the laws of the State of Utah relative to qualification to do business within the State, and is not in default on any previous obligation to Surface Owner.
- 21.3 Costs of Assignment. A sublease, conveyance, or assignment may not be approved without reimbursement of Surface Owner's administrative costs associated with said sublease, conveyance, or assignment; and payment of the difference between what was originally paid for the permit, lease, or contract and what the division would charge for the permit, lease, or contract at the time the application for sublease, conveyance, or assignment is submitted.
- 21.4 Effective Date of Assignment. A sublease, conveyance, or assignment shall take effect on the date of Surface Owner's approval of the assignment. On the effective date of any assignment, the assignee is bound by the terms of the lease to the same extent as if the assignee were the original grantee, any conditions in the assignment to the contrary notwithstanding.
- 21.5 Non-Waiver. The consent of Surface Owner to any one assignment shall not constitute a waiver of Surface Owner's right to consent to subsequent assignments, nor shall consent of Surface Owner to any one assignment relieve any party previously liable as BBC from any obligations under this Easement. The acceptance by Surface Owner of payment of rent following an assignment shall not constitute consent to any assignment and Surface Owner's consent shall be evidenced only in writing.

SECTION 22 SUCCESSORS AND ASSIGNS

This Easement shall be binding upon and inure to the benefit of the parties, their successors and assigns and shall be a covenant running with the land.

SECTION 23 TIME IS OF THE ESSENCE

TIME IS OF THE ESSENCE as to each and every provision of this Easement.

SECTION 24 RECORDATION

BBC shall record this Agreement or a memorandum documenting the existence and legal description of this Agreement in the counties in which the Burdened Property is located, at BBC's sole expense. The memorandum shall, at a minimum, contain the Burdened Property description, the names of the parties to the Easement, Surface Owner's easement number, and the duration of the Easement. BBC shall provide Surface Owner a copy of the public recording, whether this Agreement or the memorandum serving notice of the existence of this Agreement. BBC shall have ninety (90) days from the date of delivery of the final executed Agreement to comply with the requirements of this Section.

SECTION 25 APPLICABLE LAW AND VENUE

This Easement shall be interpreted and construed in accordance with and shall be subject to the laws of the State of Utah. Any reference to a statute shall mean that statute as presently enacted or hereafter amended or superseded. BBC consents to suit in the courts of the State of Utah in any dispute arising under the terms of this Agreement or as a result

of operations carried on under this Agreement. Service of process in any such action is hereby agreed to be sufficient if sent by registered mail to BBC at the last known address of BBC appearing in the records of Surface Owner. BBC agrees for itself and its successors and assigns that any suit brought by BBC, its successors or assigns concerning this Easement may be maintained only in the Utah State District Court of Salt Lake County. In the event of any litigation arising under this Agreement, the prevailing party shall be entitled to recover its costs and reasonable attorneys' fees incurred in connection with the litigation, including any appeals.

SECTION 26 MODIFICATION

Any modification of this Easement must be in writing and signed by the parties. Surface Owner or BBC shall not be bound by any oral representations of Surface Owner or BBC. If Surface Owner is the Utah Division of Wildlife Resources, authorized signatures may be provided by only the Director or the Director's designee.

SECTION 27 SURVIVAL

Any obligations which are not fully performed upon termination of this Easement shall not cease, but shall continue as obligations until fully performed.

SECTION 28 WAIVER

No Waiver of Conditions by Surface Owner of any default of BBC or failure of Surface Owner to timely enforce any provision of this Easement shall constitute a waiver of or constitute a bar to subsequent enforcement of the same or other provisions of this Easement. No provision in this Easement shall be construed to prevent Surface Owner from exercising any legal or equitable remedy it may have.

SECTION 29 WATER RIGHTS

BBC shall not file an application to appropriate water from the surface or subsurface of Surface Owner's lands unless the application is approved by Surface Owner in writing and is filed in the name of the Surface Owner. All water structures, including impoundment, diversion and conveyance structures or works, used to impound, divert or convey water claimed solely under a Surface Owner water right shall be the property of Surface Owner.

SECTION 30 INVALIDITY

If any provision of this Easement proves to be invalid, void, or illegal, it shall in no way affect, impair, or invalidate any other provision of this Easement.

IN WITNESS WHEREOF, the Parties have executed this Agreement, effective on the date of the last signature below.

SURFACE OWNER

BBC

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WILDL RESOURCES	BILL BARRETT CORPORATION LIFE
By: James Karpowitz Director of Wildlife Resources	Huntington T. Walker Sr. Vice President - Land Bill Barrett Corporation
Date: 1/9/08	Date: JANUARY 7, 2008
Funding Approvals: Division of Wildlife Resources Fiscal Management By: Linea Braithwaite Budget Officer Date: 1 08	
STATE OF UTAH)	
) SS. COUNTY OF SALT LAKE)	
Karpowitz, who being first duly sworn said Resources for the State of Utah, that the for	Alan Clack. 2008 personally appeared before me James. What he is the Director of the Division of Wildlife regoing instrument was executed pursuant to authority the of Utah (23-21-1), and he acknowledged to me that
	Notary Public for the State of Utah
	Residing at
	My commission expires June 6, 2008
	HOLLY BETTERIDGE

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STATE OF COLORADO)
CITY AND) SS.
COUNTY OF DENVER)
On this day of	JANORRY, 2008, personally appeared before me
Huntington T. Walker to me	known to be the Sr. Vice President - Land of Bill Barrett
Corporation who executed the	he within and foregoing instrument, and acknowledged that the
execution of the document h	erein was his free and voluntary act and deed, for the uses and
purposes therein mentioned,	and gave an oath that he is authorized to execute the within
instrument for said corporati	on.
	0 0 0
	Choul Edelon
	Notary Public for the State of Colorado
	Residing at DENVER CO
N i	My commission expires
	▼ · · · · · · · · · · · · · · · · · · ·
OF CC	
Jack Secretary	n 9
My Commission Expires 12,1301	

Exhibit C.1

Legal Descriptions of Wellsite (Damage Area), and Access Road and Pipeline Centerlines for Wellsite #14-29-36BTR

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 29, T3S, R6W, U.S.B.&M. WHICH BEARS N72'30'38"E 1883.46' FROM THE SOUTHWEST CORNER OF SAID SECTION 29, THENCE N01'04'24"W 120.88'; THENCE N88'55'36"E 425.00'; THENCE S01'04'24"E 320.00'; THENCE S88'55'36"W 260.00'; THENCE N59'51'17"W 192.94'; THENCE N01'04'24"W 99.12' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.933 ACRES MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON STATE OF UTAH (DWL) LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SECTION 30, T3S, R6W, U.S.B.&M. WHICH BEARS S89°50°13"W 486.77' FROM THE SOUTHEAST CORNER OF SAID SECTION 30, THENCE N25°43'05"E 17.00'; THENCE N72°14'22"E 174.13'; THENCE N78°36'14"E 175.90'; THENCE S80°49'21"E 122.20' TO A POINT ON THE EAST LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 30, WHICH BEARS N00°20'50"W 82.37' FROM THE SOUTHEAST CORNER OF SAID SECTION 30, THENCE N85°32'15" E 337.16'; THENCE S76°02'11"E 164.83'; THENCE N85°59'22"E 496.42'; THENCE S76°02'11"E 164.83'; THENCE N35°32'26"E 468.63'; THENCE N44°32'47"E 119.16'; THENCE N59°49'23"E 71.46' TO A POINT IN THE SE 1/4 SW 1/4 OF SECTION 29, T3S, R6W, S.L.B.&M. WHICH BEARS N72°30'38"E 1883.46' FROM THE SOUTHWEST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT—OF—WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.763 ACRES MORE OR LESS.

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 29, T3S, R6W, U.S.B.&M. WHICH BEARS N73'21'34"E 1875.48' FROM THE SOUTHWEST CORNER OF SAID SECTION 29, THENCE S68'59'35"W 67.08'; THENCE S42'53'56"W 99.19'; THENCE S34'35'54"W 526.55' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 29 WHICH BEARS N89'42'34"E 1367.82' FROM THE SOUTHWEST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RICHT—OF—WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.477 ACRES MORE OR LESS.

Exhibit C.2 Depiction of #14-29-36BTR Wellsite (Damage Area) and Access Road

			·	LOCATION DA	MAGE ANEA & ROAD WAY ON STATE OF
				MC) HATU	IL) & FEE LANDS 14-29-36 BTR) LOCATED IN 14 32, T3S, RSW, U.S.B.&M NE COUNTY, UTAN
	PRI – INNAF (ALA)		RESERT OF By Register ones (USF CALLE) REGISTER (US	Tr OPE COR	TO ALE SOME SEASON SERVICES SOME IN A CAPA CONSTRUCTION OF THE CAPACITY OF THE
NF 1/4	ROAD RIGHT-OF-MAY DESCRIPTION ON EMBREA/CHARLES QUARTANA LANGS AN YOR ROSING-MAY OF GO SON BIG OF BE, CHARLES AND AN ARROY OF THE CHARLES AND AN ARROY OF THE CHARLES AND	ROAD BIGHT—GR—WAY DESCRIPTION ON LARRY LANGON Y. BLYON LANGO AN SEC OF METALEMENT CONTROL AND SEC OF METALEMENT CONTROL AND SEC OF METALEMENT CONTROL CONTROL AND SEC OF METALEMENT CONTROL CO	ROAD RIGHT-OF-WAY DESCRIPTION ON LARKY HOLKES TRUSTEE LANDS A W see a point-ow-way or a lost one of see a s	PROTECTION OF SHARE THE SH	
Sec.	ROAD RIGHT-OF-WAY DESCRIPTION ON INTERPRETATION ON ION APPROPRIATABLE AND STREET AND STR	ROAD ROAT—BY DESCRIPTION ON LARTY & ELTON ET LIA. LANDS ON LARTY & LANDS ON LA	ROAD RIGHT-OF-WAY DESCRIPTION ON JOHN J. RY, PLANTA J. LAUREN LANDS. And WAS Repti-of-word of the best spot or the followers of spot of the section of the	FORL MINERAL BOOK SERVINGS STORY IS AN AN ASSESSMENT OF FALL STALT FINANCE SOUTHER FALL STALT FINANCE SOUTHER FORL STALT FINANCE SOUTHER FOR STALT FINANCE SOUTHER FORL STALT FINANCE SOUTHER FORL STALT FINANCE SOUTHER FORL STALT FINANCE SOUTHER FORL STALT FINANCE FORL STAL	
-SW 1/4	ROAD RICH T-OF WAY CONSIDER THAN ON LESSE CHIEFWAY MANAGE. LANGE THE LESSE CHIEFWAY MANAGE. LANGE THE LANGE CHIEFWAY MANAGE. LANGE THE LANGE CHIEFWAY MANAGE. LANGE CHIEFWAY MANAGE CHIEFWAY	ROAD RIGHT-OF-WAY DESCRIPTION ON CHARACTER RIGHTS TRUSTEE LANDS TRUSTEE RIGHTS TRUSTEE RIGHTS TO THE RIGHTS TRUSTEE RIGH	ROAD RIGHT-OF-MAY DESCRIPTION ON RIGHARD JOSEPH ASSON LANDS AN ASSON LAND AND RIGHARD JOSEPH ASSON LAND AND RIGHARD RIGHARD FOR ME ASSON LAND AND RIGHARD RIGHARD CONTINUES OF ME AND ASSON LAND AND RIGHARD AND RIGHARD AND RIGHARD AND RIGHARD RIGHA	DAMAGE AREA DESCRIPTION SERVICE II - PROFIT FOR SELECTION ASSESSMENT AS TO TAKE A STORY AS TO THE ASSESSMENT AS TO TAKE A STORY AS TO TAKE A STOR	29
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Sec.	31	A = SICTION CORPORA MOUNTAIN A A = SICTION CORPORA MOUNTAIN A Corporation of the Corpor	ST.	Upraes Deputer of Street President of Street P	50 \$457 • (456) 750-1077 L. UTAX = 04076 4-10-07

(Sections

NW 1/4 NE 1/4 BILL BARRETT CORPORATION PIPLINE RIGHT-OF-WAY ON 1/4 Section Line Sec. STATE OF UTAH (DWL) LANDS 29 Set Market Stone (For #14-29-36 BTR) LOCATED IN SECTION 29, T3S, R6W, U.S.B.&M. DUCHESNE COUNTY, UTAH PIPELINE RIGHT-OF-WAY DESCRIPTION A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE. BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 29, T3S, R6W, U.S.B.&M. WHICH BEARS N'732'1'34"E 1875.48' FROM THE SOUTHWEST CORNER OF SAID SECTION 29, THENCE SA55'S'S' W 67.06'; THENCE SA253'S'W 67.06'; THENCE SA253'S'W 528.55' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 29 WHICH BEARS MB9'42'34"E 1367.82' FROM THE SOUTHWEST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASS OF BEARNISCS IS A G.P.S. OBSERVATION. CONTAINS 0.477 ACRES MORE OR LESS. LINE TABLE LINE DIRECTION LENGTH L1 S68'59'35"W 67.08' L2 S42'53'58"W 99.19' L3 S34'35'54"W 528.55' SCALE BASIS OF BEARINGS BASIS OF BEARINGS IS A G.P.S. OBSERVATION. 1/16 Section Line -SE 1/4-SW 1/4 RIGHT-OF-WAY LENGTHS FEET ACRES RODS 692.82 0.477 41.99 PROPERTY OWNER STATE OF UTAH (DWL) State of Utah (DWL) END OF PIPELNE STA. 5492.82 BEARS N88'42'34'E 1367.82' FROM THE SOUTHWEST CORNER OF SECTION 29, TSS, RSW, U.S.B.AM DAMAGE AREA CERTIFICATE State of BEGINNING OF PROPOSED PIPELINE RIGHT-OF-WAY THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM PIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Utah (DWL) STA. 0+00 REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH Unitah Engineering & Land Surveying END OF PROPOSED -PIPELINE RIGHT—OF—WAY STA. 6+92.82 85 SOUTH - 200 EAST . (486) 789-1017 vernal utah - 84078 (At Future Tie-h) 4-10-07 1" = 300" G.L.O. PLAT N89'56'48'E - 2643.11' (Meas.) Section Line D.S. M.B. K.G. A = SECTION CORNERS LOCATED. 48324 COOL

Exhibit C.3
Depiction of Pipeline for #14-29-36BTR Wellsite

Bill Barrett Corporation Drilling Program # 14-29-36 BTR Duchesne County, Utah

HAZARDOUS MATERIAL DECLARATION

WELL NO. # 14-29-36 BTR - LEASE NO. BIA-EDA-2OG0005608

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

Bill Barrett Corporation Drilling Program # 14-29-36 BTR Duchesne County, Utah

DRILLING PLAN

BILL BARRETT CORPORATION

14-29-36 BTR

SHL: SESW, 539' FSL & 2000' FWL, Section 29-T3S-R6W BHL: SESW, 700' FSL & 2000' FWL, Section 29-T3S-R6W Surface Owner: Utah Division of Wildlife Resources (UDWR)

Duchesne County, Utah

BBC intends to drill this well according to the "Planned" program outlined below. Should hole conditions dictate (either by lost circulation and/or increased pore pressure) BBC requests approval with this permit to implement the "Contingency" program also outlined below. It is expected that this decision will be made once the Wasatch formation has been penetrated. BBC will inform the authorized officer upon implementing the "contingency" plan.

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth - MD
Duchesne River/Uinta	Surface
Green River	5,332'
Douglas Creek	6,152'
Black Shale	6,768'
Castle Peak	7,043
Wasatch	7,658' *
North Horn	9,568' *
TD	11,043'

*PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

4. <u>Casing Program</u>

A) Planned Program

<u>Hole</u>	SETTING (FROM)	G DEPTH (TO)	Casing	Casing	Casing	Thread	Condition
Size 14 3/4"	surface	1.000'	Size 10 ¾"	Weight 45.5#	Grade J or K 55	ST&C	Condition New
9 7/8"	1,000'	TD	5 1/2"	17#	P-110	LT&C	New

B) Contingency Program

<u>Hole</u> <u>Size</u>	SETTING (FROM)	G DEPTH (TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
14 3/4"	surface	1,000'	10 ¾"	45.5#	J or K 55	ST&C	New
9 7/8"	1,000'	7,758'	7 5/8"	26.4#	P-110	LT&C	New
6 3/4"	7,258'	TD	5 ½"	17#	P-110	Flush	New

5. <u>Cementing Program</u> A) Planned Program

10 ¾" Surface Casing	Approximately 280 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft ³ /sx) circulated to surface with 100% excess. Approximately 430 sx Halliburton Premium Plus cement with additives mixed at 15.8 ppg (yield = 1.15 ft ³ /sx).
5 ½" Production Casing	Approximately 560 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.84 ft ³ /sx). Approximately 1300 sx Halliburton 50/50 Poz. Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 1,000'.

B) Contingency Program

10 ¾" Surface Casing	Approximately 280 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft ³ /sx) circulated to surface with 100% excess. Approximately 430 sx Halliburton Premium Plus cement with additives mixed at 15.8 ppg (yield = 1.15 ft ³ /sx).
7 5/8" Intermediate Casing	Approximately 330 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.84 ft ³ /sx). Approximately 250 sx Halliburton 50/50 Poz. Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 1,000'.
5 ½" Production Liner	Approximately 290 sx Halliburton 50/50 Poz Premium cement with additives mixed at 14.1 ppg (yield = 1.24 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 7,258'.

6. Mud Program

<u>Interval</u>	Weight	<u>Viscosity</u>	Fluid Loss (API filtrate)	<u>Remarks</u>
40' – 1,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,000' – TD	8.6 – 10.6	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0-1,000'	No pressure control required
1,000' - TD	11" 5000# Ram Type BOP

Duchesne County, Utah

- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.

8. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 6085 psi* and maximum anticipated surface pressure equals approximately 3656 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction:

Approximately June 15, 2007

Spud:

Approximately July 1, 2007

Duration:

30 days drilling time

45 days completion time

^{*}Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

^{**}Maximum surface pressure = $A - (0.22 \times TD)$

PLANNED PROGRAM

BBC intends to drill this well according to the "Planned" program outlined below. Should hole conditions dictate (either by lost circulation and/or increased pore pressure) BBC requests approval with this permit to implement the "Contingency" program also outlined below. It is expected that this decision will be made once the Wasatch formation has been penetrated. BBC will inform the authorized officer upon implementing the "alternate" plan.

14-29-36 BTR Proposed Cementing Program

Job Recommendation	Su	rface Casing	
Lead Cement - (500' - 0')			,
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
1.0% Calcium Chloride	Slurry Yield:	1.85	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	Ο'	
	Calculated Fill:	500'	
•	Volume:	86.69	bbl
	Proposed Sacks:	280	sks
Tail Cement - (TD - 500')			!
Premium Cement	Fluid Weight:	15.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.15	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	4.97	Gal/sk
	Top of Fluid:	500'	
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	430	sks

Job Recommendation		Produc	tion Casing
Lead Cement - (6268' - 1000')		,	!
Halliburton Hi-Fill Modified	Fluid Weight:	11.0	lbm/gal
16.0% Bentonite	Slurry Yield:	3.84	ft ³ /sk
0.75% Econolite	Total Mixing Fluid:	23.38	Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid:	1,000'	·
3.0 lbm/sk Granulite TR	Calculated Fill:	5,268'	
3.0% Salt	Volume:	378.62	bbl
0.8% HR-7	Proposed Sacks:	560	sks
Tail Cement - (11043' - 6268')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
0.75% Halad ®-322	Slurry Yield:	1.49	ft ³ /sk
0.2% FWCA	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite	Top of Fluid:	6,268'	
0.125 lbm/sk Poly-E-Flake	Calculated Fill:	4,775'	
1.0 lbm/sk Granulite TR 1/4	Volume:	343.22	bbl
0.2% HR-5	Proposed Sacks:	1300	sks



Bill Barrett Corporation E-bill 1099 18th Street - Suite 2300 Denver, Colorado 80202

BTR General

Duchesne County, Utah United States of America T:3S R:6W

Surface and Production Casing Cementing Proposal

Prepared for: Dominic Spencer

April 26, 2007 Version: 1

Submitted by: Pat Kundert Halliburton Energy Services 410 Seventeenth St Denver, Colorado 80202 +303.886.0839

HALLIBURTON

HALLIBURTON

Job Recommendation

Fluid Instructions

Surface Casing

Fluid 1: Water B Fresh Water witl	· · · · · · · · · · · · · · · · · · ·	Fluid Density:	8.50 lbm/gal
25 lbm/bbl 10 lbm/bbl	Poly-E-Flake (Lost Circulation Additive) Bentonite (Viscosifier)	Fluid Volume:	20 bbl
Halliburton Light 1 % Calcium	m Chloride (Accelerator)	Fluid Weight Slurry Yield:	12.70 lbm/gal 1.85 ft ³ /sk
0.125 lbm/sk	Poly-E-Flake (Lost Circulation Additive)	Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	9.90 Gal/sk 0 ft 500 ft 86.70 bbl 263.13 sks 270 sks
Ebrid 2. Tail Co.			

Fluid 3: Tail Cement – (TD - 500')

Premium Cement	Fluid Weight	15.80 lbm/gal
94 lbm/sk Premium Cement (Cement)	Slurry Yield:	$1.15 \text{ ft}^3/\text{sk}$
2 % Calcium Chloride (Accelerator)	Total Mixing Fluid:	4.97 Gal/sk
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)	Top of Fluid:	500 ft
	Calculated Fill:	500 ft
	Volume:	90.93 bbl
	Calculated Sacks:	443.95 sks
	Proposed Sacks:	450 sks

Fluid 4: Top Out Cement – If Needed

Premium Plus Cement	Fluid Weight	15.60 lbm/ga
94 lbm/sk Premium Plus Cement (Cement)	Slurry Yield:	1.18 ft³/sk
2 % Calcium Chloride (Accelerator)	Total Mixing Fluid:	5.20 Gal/sk
	Proposed Sacks:	200 sks

HALLIBURTON

Job Recommendation

Production Casing Cementing

Fluid Instructions Fluid 1: Water Spacer Fresh Water	Fluid Density: Fluid Volume:	8.34 lbm/gal 10 bbl
Fluid 2: Reactive Spacer Super Flush	Fluid Density: Fluid Volume:	9.20 lbm/gal 20 bbl
Fluid 3: Water Spacer Fresh Water	Fluid Density: Fluid Volume:	8.34 lbm/gal 10 bbl
Fluid 4: Lead Cement – (6835 – 1000') Halliburton Hi-Fill Modified 94 lbm/sk Premium Cement (Cement) 16 % Bentonite (Light Weight Additive) 0.75 % Econolite (Light Weight Additive) 5 lbm/sk Gilsonite (Lost Circulation Additive) 0.25 lbm/sk Flocele (Lost Circulation Additive) 3 % Salt (Salt) 0.8 % HR-7 (Retarder) 3 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	11 lbm/gal 3.84 ft ³ /sk 23.38 Gal/sk 1000 ft 5835 ft 419.41 bbl 612.59 sks 620 sks
Fluid 5: Primary Cement – (TD – 6835') 50/50 Poz Premium 2 % Bentonite (Light Weight Additive) 3 % KCL (Clay Control) 0.75 % Halad(R)-322 (Low Fluid Loss Control) 0.2 % FWCA (Free Water Control) 3 lbm/sk Silicalite Compacted (Light Weight Additive) 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) 1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive) 0.2 % HR-5 (Retarder)	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	13.40 lbm/gal 1.49 ft³/sk 7.06 Gal/sk 6835 ft 4295 ft 309.74 bbl 1167.15 sks 1170 sks

Weli name:

BTR General Preferred

Operator:

Bill Barrett Corporation

String type:

Surface

Design is based on evacuated pipe.

Location:

SWNW Sec. 23, T3S-R6W

Desian	parameters:	

Collapse

Mud weight:

8.40 ppg

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered?

Surface temperature:

No 70.00 °F 82 °F

Bottom hole temperature: Temperature gradient:

1.22 °F/100ft

Minimum section length:

1,000 ft

Design factor

1.00

1.80 (J)

1.80 (J)

1.80 (J)

1.80 (J) 1.80 (B)

<u>Burst</u>

Max anticipated surface

pressure: Internal gradient: 3,564 psi 0.22 psi/ft

Calculated BHP Annular backup:

3,784 psi

8.34 ppg

Buttress:

Tension:

8 Round LTC:

Body yield:

8 Round STC:

Premium:

Tension is based on buoyed weight. Neutral point: 875 ft

Cement top:

Surface

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

10.400 ppg 6,013 psi 14.000 ppg

Fracture mud wt: Fracture depth: Injection pressure

7,500 ft 5,455 psi

11,130 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	10.75	45.50	J-55	ST&C	1000	1000	9.825	90.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	436	2090	4.790	3564	3580	1.00	40	493	12.38 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164

FAX: (303) 312-8195

Date: April 18,2007 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

BTR General Preferred

Operator:

Bill Barrett Corporation

Production String type:

Location:

SWNW Sec. 23, T3S-R6W

Design parameters:

Minimum design factors:

Environment:

Collapse

Collapse: Design factor H2S considered? Surface temperature:

No 70.00 °F

Mud weight: 10.40 ppg Design is based on evacuated pipe.

Bottom hole temperature:

206 °F

Temperature gradient: Minimum section length: 1.22 °F/100ft

Burst:

Design factor 1.00

1.125

Cement top:

1,500 ft

Burst

Max anticipated surface

pressure: Internal gradient: 3,564 psi 0.22 psi/ft

Calculated BHP

6,013 psi

1,000 ft

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

1.80 (J) 8 Round LTC: Buttress: 1.80 (J) Premium: 1.80 (J)

1.80 (B) Body yield:

Non-directional string.

Tension is based on buoyed weight. Neutral point: 9,375 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	11130	5.5	17.00	P-110	LT&C	11130	11130	4.767	383.6
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	6013	7480	1.244	6013	10640	1.77	159	445	2.79 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 312-8195

Date: April 18,2007 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 11130 ft, a mud weight of 10.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

CONTINGENCY PROGRAM

14-29-36 BTR Alternate Cementing Program

Job Recommendation		Su	rface Casing
Lead Cement - (500' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
1.0% Calcium Chloride	Slurry Yield:	1.85	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	280	sks
Tail Cement - (TD - 500')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.15	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	4.97	Gal/sk
	Top of Fluid:	500'	·
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	430	sks

Job Recommendation]	nterme	diate Casing
Lead Cement - (6268' - 1000')			
Halliburton Hi-Fill Modified	Fluid Weight:	11.0	lbm/gal
16.0% Bentonite	Slurry Yield:	3.84	ft³/sk
0.75% Econolite	Total Mixing Fluid:	23.38	Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid:	1,000'	
3.0 lbm/sk Granulite TR	Calculated Fill:	5,268'	
3.0% Salt	Volume:	221.63	bbl
0.8% HR-7	Proposed Sacks:	330	sks
Tail Cement - (7758' - 6268')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
0.75% Halad ®-322	Slurry Yield:	1.49	ft ³ /sk
0.2% FWCA	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite	Top of Fluid:	6,268'	
0.125 lbm/sk Poly-E-Flake	Calculated Fill:	1,490'	

1.0 lbm/sk Granulite TR 1/4 0.2% HR-5

Volume: 62.69 bbl
Proposed Sacks: 250 sks

Job Recommendation		Produc	ction Casing
Lead Cement - (11043' - 7258')			
50/50 Poz Premium	Fluid Weight:	14.1	lbm/gal
0.4% Halad®-344	Slurry Yield:	1.24	ft ³ /sk
0.3% CFR-3	Total Mixing Fluid:	5.53	Gal/sk
0.3% HR-5	Top of Fluid:	7,258'	
	Calculated Fill:	3,785'	
	Volume:	61.93	bbl
	Proposed Sacks:	290	sks

Bill Barrett Corporation E-bill 1099 18th Street - Suite 2300 Denver, Colorado 80202

BTR
Duchesne County, Utah
United States of America

Alternate Cementing Proposal

Prepared for: Dominic Spencer

May 2, 2007 Version: 2

Submitted by: Pat Kundert Halliburton Energy Services 1125 17th Street - Suite 1900 Denver, Colorado 80202 +303.886.0839

HALLIBURTON

HALLIBURTUN

Job Recommendation

Surface Casing

Fluid Instructions Fluid 1: Water Base Fresh Water with 25 lbm/bbl 10 lbm/bbl	ased Spacer	Fluid Density: Fluid Volume:	8.50 lbm/gal 20 bbl
	, ,	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	12.70 lbm/gal 1.85 ft ³ /sk 9.90 Gal/sk 0 ft 500 ft 86.70 bbl 263.13 sks 270 sks
Premium Cement 94 lbm/sk Pr 2 % Calcium	nent – (TD - 500') t remium Cement (Cement) n Chloride (Accelerator) Poly-E-Flake (Lost Circulation Additive)	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	15.80 lbm/gal 1.15 ft ³ /sk 4.97 Gal/sk 500 ft 500 ft 90.93 bbl 443.95 sks 450 sks
Premium Plus Ce 94 lbm/sk Pr	Cement – If Needed ement remium Plus Cement (Cement) m Chloride (Accelerator)	Fluid Weight Slurry Yield: Total Mixing Fluid: Proposed Sacks:	15.60 lbm/gal 1.18 ft ³ /sk 5.20 Gal/sk 200 sks

HALLIBURTON

Job Recommendation

Intermediate Casing Cementing

Calculated Fill:

Calculated Sacks:

Proposed Sacks:

Volume:

Fluid Instructions Fluid 1: Water Spacer Fresh Water	Fluid Density: Fluid Volume:	8.34 lbm/gal 10 bbl
Fluid 2: Reactive Spacer Super Flush	Fluid Density: Fluid Volume:	9.20 lbm/gal 20 bbl
Fluid 3: Water Spacer Fresh Water	Fluid Density: Fluid Volume:	8.34 lbm/gal 10 bbl
Fluid 4: Lead Cement Halliburton Hi-Fill 94 lbm/sk Premium Cement (Cement) 16 % Bentonite (Light Weight Additive) 0.75 % Econolite (Light Weight Additive) 5 lbm/sk Gilsonite (Lost Circulation Additive) 0.25 lbm/sk Flocele (Lost Circulation Additive) 3 % Salt (Salt) 0.8 % HR-7 (Retarder) 3 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid: Calculated Fill: Volume: Calculated Sacks: Proposed Sacks:	11 lbm/gal 3.84 ft ³ /sk 23.38 Gal/sk 1000 ft 5835 ft 245.51 bbl 358.59 sks 360 sks
Fluid 5: Primary Cement 50/50 Poz Premium 2 % Bentonite (Light Weight Additive) 3 % KCL (Clay Control) 0.75 % Halad(R)-322 (Low Fluid Loss Control)	Fluid Weight Slurry Yield: Total Mixing Fluid: Top of Fluid:	13.40 lbm/gal 1.49 ft³/sk 7.06 Gal/sk 6835 ft

0.2 % FWCA (Free Water Control)

3 lbm/sk Silicalite Compacted (Light Weight Additive)

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

1165 ft

190 sks

49.02 bbl

184.71 sks

HALLIBURTON

Job Recommendation

Liner Casing

Fluid Instructions

Fluid 1: Water Based Spacer

MUD FLUSH

Fluid Density:

8.40 lbm/gal

Fluid Volume:

20 bbl

Fluid 2: Primary Cement

50/50 Poz Premium, 2% gel standard

0.4 % Halad(R)-344 (Low Fluid Loss Control)

0.3 % CFR-3 (Dispersant)

0.3 % HR-5 (Retarder)

Fluid Weight

14.10 lbm/gal

Slurry Yield:

 $1.24 \text{ ft}^3/\text{sk}$

Total Mixing Fluid:

5.53 Gal/sk

Top of Fluid:

Calculated Fill:

7300 ft

Volume:

3830 ft 65.61 bbl

Calculated Sacks:

297.09 sks

Proposed Sacks:

300 sks

Well name:

BTR General_Contingency

Operator:

Bill Barrett Corporation

String type:

Intermediate

SWNW Sec. 23, T3S-R6W

Design parameters:

Collapse

Mud weight:

9.40 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

Environment:

H2S considered? Surface temperature:

Bottom hole temperature: Temperature gradient:

168 °F 1.22 °F/100ft

No 70.00 °F

Minimum section length:

1,000 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.80 (J)

1.80 (J)

1.80 (B)

Burst

Max anticipated surface

No backup mud specified.

pressure:

3,564 psi

Internal gradient:

0.22 psi/ft

Calculated BHP 5,324 psi

Premium: Body yield:

Tension: 8 Round STC: 8 Round LTC:

Buttress:

Tension is based on buoyed weight. Neutral point: 6,887 ft

Cement top:

1,000 ft

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP: Fracture mud wt: Fracture depth:

Injection pressure

11,130 ft 10.400 ppg 6,013 psi

14.000 ppg 8,000 ft 5,818 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8000	7.625	26.40	P-110	LT&C	8000	8000	6.844	417.7
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	3906	3920	1.003	5324	8280	1.56	182	654	3.60 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 312-8195

Date: April 18,2007 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 8000 ft, a mud weight of 9.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

BTR General_Contingency

Operator: String type: **Bill Barrett Corporation**

Production Liner

Location:

SWNW Sec. 23, T3S-R6W

Design parameters:

Minimum design factors:

Environment:

Νo

Collapse

Collapse: Design factor H2S considered?

Mud weight:

10.40 ppg

1.125

Surface temperature: Bottom hole temperature 70.00 °F 206 °F

Design is based on evacuated pipe.

Temperature gradient: Minimum section length:

1.22 °F/100ft 1,500 ft

Burst:

Design factor

1.00

Cement top:

7,500 ft

Burst

Max anticipated surface

pressure: Internal gradient: 3,564 psi

Calculated BHP

0.22 psi/ft 6,013 psi

Tension:

Buttress:

1.80 (J) 1.80 (J)

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J)

No backup mud specified.

Premium: Body yield:

1.80 (B)

Tension is based on buoyed weight.

Neutral point:

9.375 ft

Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Capacity
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(ft³)
1	11130	5.5	17.00	P-110	lush Seal-Lo	11130	11130	4.767	383.6
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	6013	7480	1.244	6013	10640	1.77	159	406	2.55 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 312-8195

Date: April 18,2007 Denver, Colorado

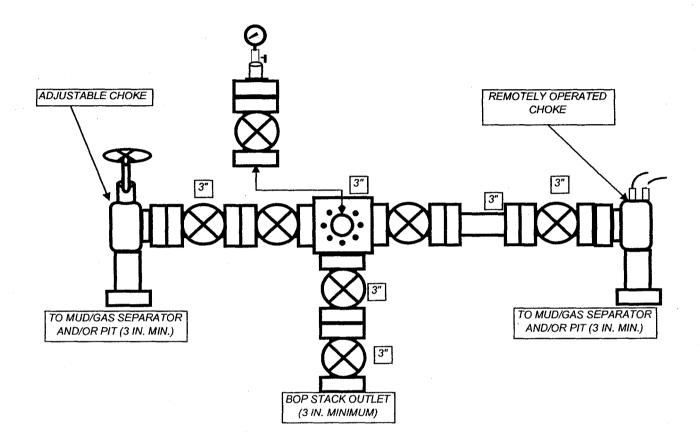
Remarks:

Collapse is based on a vertical depth of 11130 ft, a mud weight of 10.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

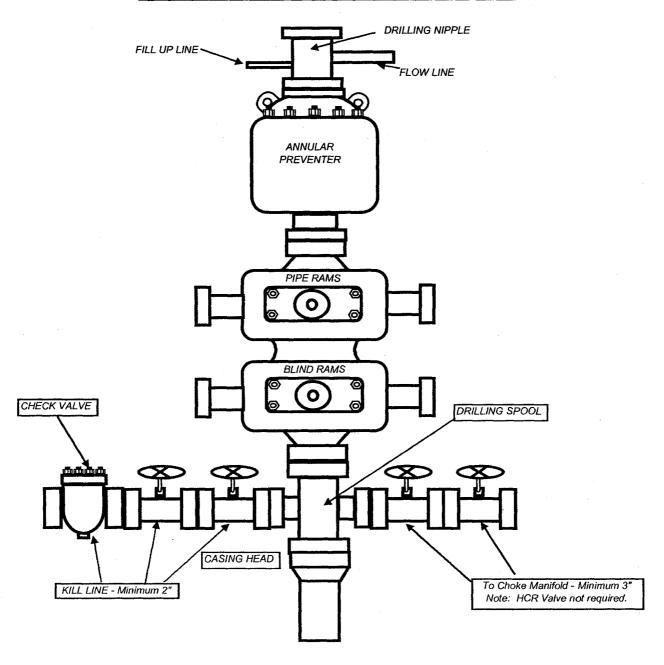
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





Drilling Services

Proposal



BILL BARRETT CORPORATION

#14-29-36 BTR

DUCHESNE COUNTY, UTAH

WELL FILE:PLAN 2

MAY 3, 2007

363 North Sam Houston Pkwy E, Suite 600 Houston, Texas 77060 USA +1.281.260.5600 Main +1.281.260.2763 Fax www.weatherford.com



14-29-36 BTR SECTION 29-T3S-R6W 539' FSL & 2000' FWL DUCHESNE COUNTY, UTAH

	* 1973	(right			SECTION	ON DETAIL	.s			
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0,00	359.65	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	359.65	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2099,90	2.00	359.65	2099.88	1.74	-0.01	2.00	359.65	1.74	
4	6567.98	2.00	359.65	6565.24	157.52	-0.95	0.00	0.00	157.52	
5	6767,78	0.00	359.65	6765.00	161.00	-0.98	1.00	180.00	161.00	
6	11042.78	0.00	359.65	11040.00	161.00	-0.98	0.00	359.65	161.00	PBHL 14-29-36 BTR

No.

SITE DETAILS

14-29-36 BTR SECTION 29-T3S-R6W 539' FSL & 2000' FWL

Site Centre Latitude: 40°11'06.540N Longitude: 110°35'21.800W

Ground Level: 6500.40 Positional Uncertainty: 0.00 Convergence: 0.58

FORMATION TOP DETAILS TVDPath MDPath Formation

 1
 5330,00
 5331.99
 TGR3

 2
 6150,00
 6152.48
 DOUGLAS CREEK

 3
 6765.00
 6767.78
 BLACK SHALE MARKER

 4
 7040,00
 7042.78
 CASTLE PEAK

 5
 7655.00
 7657.78
 WASATCH

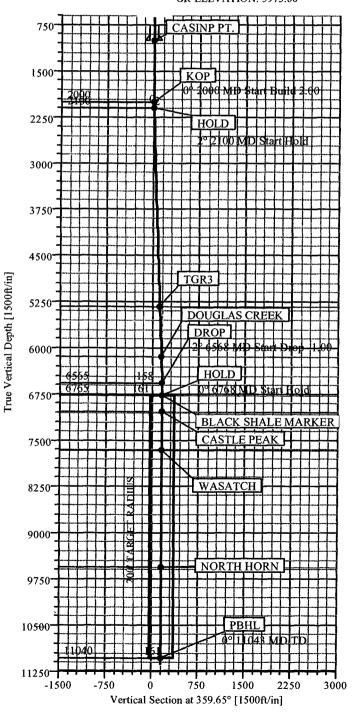
 6
 9565.00
 9557.78
 NORTH HORN

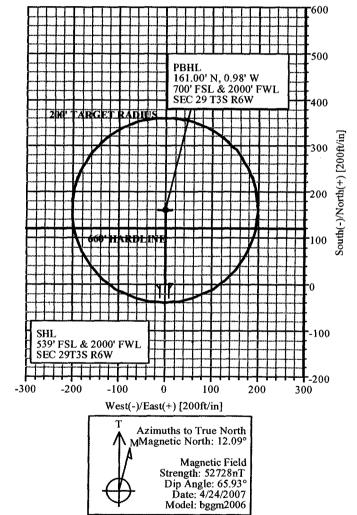
CASING DETAILS

No. TVD MD Name Size
1 1000.00 1000.00 CASINP PT. 0,000

ASSUMED 15' KB ELEVATION

KB ELEVATION: 5988.00' GR ELEVATION: 5973.00'





TOTAL CORRECTION TO TRUE NORTH: 12.09°



Weatherford

Plan: Plan #2 (14-29-36 BTR/1)

Created By: ROBERT SCOTT

Date: 5/3/2007

Weatherford International, Ltd. PLAN REPORT

Company: BILL BARRETT CORP Field:

DUCHESNE COUNTY, UTAH

14-29-36 BTR Site: Well:

14-29-36 BTR Wellpath: 1

Date: 5/3/2007

Co-ordinate(NE) Reference:

Vertical (TVD) Reference:

Survey Calculation Method:

Section (VS) Reference:

Time: 14:55:19

Page:

Minimum Curvature

Site: 14-29-36 BTR, True North SITE 6515.4 Well (0.00N,0.00E,359.65Azi)

Db: Sybase

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
3400.00	2.00	359.65	3399.19	47.07	-0.29	47.07	0.00	0.00	0.00	
3500.00	2.00	359.65	3499.13	50.55	-0.31	50.56	0.00	0.00	0.00	
3600.00	2.00	359.65	3599.07	54.04	-0.33	54.04	0.00	0.00	0.00	
3700.00	2.00	359.65	3699.01	57.53	-0.35	57.53	0.00	0.00	0.00	
3800.00	2.00	359.65	3798.95	61.01	-0.37	61.01	0.00	0.00	0.00	
3900.00	2.00	359.65	3898.89	64.50	-0.39	64.50	0.00	0.00	0.00	
4000.00	2.00	359.65	3998.82	67.99	-0.41	67.99	0.00	0.00	0.00	
4100.00	2.00	359.65	4098.76	71.47	-0.43	71.47	0.00	0.00	0.00	
4200.00	2.00	359.65	4198.70	74.96	-0.45	74.96	0.00	0.00	0.00	
4300.00	2.00	359.65	4298.64	78.45	-0.48	78.45	0.00	0.00	0.00	
4400.00	2.00	359.65	4398.58	81.93	-0.50	81.93	0.00	0.00	0.00	
4500.00	2.00	359.65	4498.52	85.42	-0.52	85.42	0.00	0.00	0.00	
4600.00	2.00	359.65	4598.46	88.90	-0.54	88.91	0.00	0.00	0.00	
4700.00	2.00	359.65	4698.40	92.39	-0.56	92.39	0.00	0.00	0.00	
4800.00	2.00	359.65	4798.34	95.88	-0.58	95.88	0.00	0.00	0.00	
4900.00	2.00	359.65	4898.28	99.36	-0.60	99.37	0.00	0.00	0.00	
5000.00	2.00	359.65	4998.22	102.85	-0.62	102.85	0.00	0.00	0.00	
5100.00	2.00	359.65	5098.16	106.34	-0.64	106.34	0.00	0.00	0.00	J
5200.00	2.00	359.65	5198.10	109.82	-0.67	109.83	0.00	0.00	0.00	
5300.00	2.00	359.65	5298.03	113.31	-0.69	113.31	0.00	0.00	0.00	
5331.99	2.00	359.65	5330.00	114.42	-0.69	114.43	0.00	0.00	0.00	TGR3
5400.00	2.00	359.65	5397.97	116.80	-0.71	116.80	0.00	0.00	0.00	1
5500.00	2.00	359.65	5497.91	120.28	-0.73	120.28	0.00	0.00	0.00	
5600.00	2.00	359.65	5597.85	123.77	-0.75	123.77	0.00	0.00	0.00	
5700.00	2.00	359.65	5697.79	127.25	-0.77	127.26	0.00	0.00	0.00	
5800.00	2.00	359.65	5797.73	130.74	-0.79	130.74	0.00	0.00	0.00	
5900.00	2.00	359.65	5897.67	134.23	-0.81	134.23	0.00	0.00	0.00	
6000.00	2.00	359.65	5997.61	137.71	-0.83	137.72	0.00	0.00	0.00	1
6100.00	2.00	359.65	6097.55	141.20	-0.86	141.20	0.00	0.00	0.00	
6152.48	2.00	359.65	6150.00	143.03	-0.87	143.03	0.00	0.00	0.00	DOUGLAS CREEK
6200.00	2.00	359.65	6197.49	144.69	-0.88	144.69	0.00	0.00	0.00	
6300.00	2.00	359.65	6297.43	148.17	-0.90	148.18	0.00	0.00	0.00	
6400.00	2.00	359.65	6397.37	151.66	-0.92	151.66	0.00	0.00	0.00	
6500.00	2.00	359.65	6497.30	155.15	-0.94	155.15	0.00	0.00	0.00	
6567.98	2.00	359.65	6565.24	157.52	-0.95	157.52	0.00	0.00	0.00	DROP
6600.00	1.68	359.65	6597.25	158.54	-0.96	158.55	1.00	-1.00	0.00	
6700.00	0.68	359.65	6697.22	160.60	-0.97	160.60	1.00	-1.00	0.00	
6767.78	0.00	359.65	6765.00	161.00	-0.98	161.00	1.00	-1.00	0.00	BLACK SHALE MARKER
6800.00	0.00	359.65	6797.22	161.00	-0.98	161.00	0.00	0.00	0.00	
6900.00	0.00	359.65	6897.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7000.00	0.00	359.65	6997.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7042.78	0.00	359.65	7040.00	161.00	-0.98	161.00	0.00	0.00	0.00	CASTLE PEAK
7100.00	0.00	359.65	7097.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7200.00	0.00	359.65	7197.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7300.00	0.00	359.65	7297.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7400.00	0.00	359.65	7397.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7500.00	0.00	359.65	7497.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7600.00	0.00	359.65	7597.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7657.78	0.00	359.65	7655.00	161.00	-0.98	161.00	0.00	0.00	0.00	WASATCH
7700.00	0.00	359.65	7697.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7800.00	0.00	359.65	7797.22	161.00	-0.98	161.00	0.00	0.00	0.00	
7900.00	0.00	359.65	7897.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8000.00	0.00	359.65	7997.22	161.00	-0.98	161.00	0.00	0.00	0.00	

Weatherford International, Ltd. PLAN REPORT

Company: BILL BARRETT CORP Field:

DUCHESNE COUNTY, UTAH

Site:

Well: 14-29-36 BTR Wellpath:

14-29-36 BTR

Date: 5/3/2007 Co-ordinate(NE) Reference:

Vertical (TVD) Reference:

Section (VS) Reference: **Survey Calculation Method:**

Time: 14:55:19

Page:

Site: 14-29-36 BTR, True North SITE 6515.4

Minimum Curvature

Well (0.00N,0.00E,359.65Azi) Db: Sybase

Field:

DUCHESNE COUNTY, UTAH

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Geomagnetic Model: Site Centre bggm2006

Site:

14-29-36 BTR

SECTION 29-T3S-R6W

539' FSL & 2000' FWL

Site Position: Geographic From:

0.00 ft

Northing: Easting:

7237475.71 ft 1894824.24 ft Latitude: Longitude:

40 11 6.540 N 21.800 W 110 35

North Reference: Grid Convergence: True

Position Uncertainty: Ground Level:

6500.40 ft

Slot Name:

0.58 deg

Well: 14-29-36 BTR

Well Position:

+N/-S

+E/-W

0.00 ft Northing: 0.00 ft Easting:

7237475.71 ft 1894824.24 ft

Latitude: Longitude: 40 11 6.540 N

Position Uncertainty:

0.00 ft

52728 nT

Drilled From:

110 35 21.800 W

Surface

Wellpath: 1

Current Datum: Magnetic Data:

Field Strength:

Vertical Section:

4/24/2007

Height 6515.40 ft

+N/-S

ft

Declination:

Tie-on Depth: **Above System Datum:**

Mean Sea Level 12.09 deg 65.93 deg

0.00 ft

Mag Dip Angle: +E/-W ft

0.00

Direction deg 359.65

Depth From (TVD) 0.00

0.00

Date Composed: Version:

4/24/2007

Principal: Yes

Plan:

Tied-to:

From Surface

Plan Section Information

Plan #2

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ff	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	359.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	359.65	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2099.90	2.00	359.65	2099.88	1.74	-0.01	2.00	2.00	0.00	359.65	
6567.98	2.00	359.65	6565.24	157.52	-0.95	0.00	0.00	0.00	0.00	
6767.78	0.00	359.65	6765.00	161.00	-0.98	1.00	-1.00	0.00	180.00	
11042.78	0.00	359.65	11040.00	161.00	-0.98	0.00	0.00	0.00	359.65	PBHL_14-29-36 BTR

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2000.00	0.00	359.65	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2099.90	2.00	359.65	2099.88	1.74	-0.01	1.74	2.00	2.00	0.00	HOLD
2100.00	2.00	359.65	2099.98	1.75	-0.01	1.75	0.00	0.00	0.00	
2200.00	2.00	359.65	2199.92	5.23	-0.03	5.23	0.00	0.00	0.00	
2300.00	2.00	359.65	2299.86	8.72	-0.05	8.72	0.00	0.00	0.00	
2400.00	2.00	359.65	2399.80	12.20	-0.07	12.20	0.00	0.00	0.00	
2500.00	2.00	359.65	2499.74	15.69	-0.10	15.69	0.00	0.00	0.00	
2600.00	2.00	359.65	2599.68	19.18	-0.12	19.18	0.00	0.00	0.00	
2700.00	2.00	359.65	2699.61	22.66	-0.14	22.66	0.00	0.00	0.00	
2800.00	2.00	359.65	2799.55	26.15	-0.16	26.15	0.00	0.00	0.00	
2900.00	2.00	359.65	2899.49	29.64	-0.18	29.64	0.00	0.00	0.00	
3000.00	2.00	359.65	2999.43	33.12	-0.20	33.12	0.00	0.00	0.00	
3100.00	2.00	359.65	3099.37	36.61	-0.22	36.61	0.00	0.00	0.00	
3200.00	2.00	359.65	3199.31	40.10	-0.24	40.10	0.00	0.00	0.00	
3300.00	2.00	359.65	3299.25	43.58	-0.26	43.58	0.00	0.00	0.00	

Weatherford International, Ltd. **PLAN REPORT**

Company: BILL BARRETT CORP Field:

DUCHESNE COUNTY, UTAH

14-29-36 BTR

Site: Well: 14-29-36 BTR Wellpath: 1

Date: 5/3/2007

Time: 14:55:19

Page:

Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: **Survey Calculation Method:** Site: 14-29-36 BTR, True North SITE 6515.4

Well (0.00N,0.00E,359.65Azi)

Minimum Curvature

Db: Sybase

3

Survey	

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
8100.00	0.00	359.65	8097.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8200.00	0.00	359.65	8197.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8300.00	0.00	359.65	8297.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8400.00	0.00	359.65	8397.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8500.00	0.00	359.65	8497.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8600.00	0.00	359.65	8597.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8700.00	0.00	359.65	8697.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8800.00	0.00	359.65	8797.22	161.00	-0.98	161.00	0.00	0.00	0.00	
8900.00	0.00	359.65	8897.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9000.00	0.00	359.65	8997.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9100.00	0.00	359.65	9097.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9200.00	0.00	359.65	9197.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9300.00	0.00	359.65	9297.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9400.00	0.00	359.65	9397.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9500.00	0.00	359.65	9497.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9567.78	0.00	359.65	9565.00	161.00	-0.98	161.00	0.00	0.00	0.00	NORTH HORN
9600.00	0.00	359.65	9597.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9700.00	0.00	359.65	9697.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9800.00	0.00	359.65	9797.22	161.00	-0.98	161.00	0.00	0.00	0.00	
9900.00	0.00	359.65	9897.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10000.00	0.00	359.65	9997.22	161.00	- 0.98	161.00	0.00	0.00	, 0.00	
10100.00	0.00	359.65	10097.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10200.00	0.00	359.65	10197.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10300.00	0.00	359.65	10297.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10400.00	0.00	359.65	10397.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10500.00	0.00	359.65	10497.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10600.00	0.00	359.65	10597.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10700.00	0.00	359.65	10697.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10800.00	0.00	359.65	10797.22	161.00	-0.98	161.00	0.00	0.00	0.00	
10900.00	0.00	359.65	10897.22	161.00	-0.98	161.00	0.00	0.00	0.00	
11000.00	0.00	359.65	10997.22	161.00	-0.98	161.00	0.00	0.00	0.00	
11042.78	0.00	359.65	11040.00	161.00	-0.98	161.00	0.00	0.00	0.00	PBHL 14-29-36 BTR

Annotation

1									
١	MD ft	TVD ft						 	-
	2000.00 2099.90 6567.98 6767.78 11042.78	2000.00 2099.88 6565.24 6765.00 11040.00	KOP HOLD DROP HOLD PBHL						
ı									

Targets

Name	Description	n Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft		- Lati Min	tude> Sec	< Lon Deg Min	gitude> Sec
PBHL_14-29 -Circle (Ra -Plan hit ta	dius: 200)	•	11040.00	161.00	-0.98	7237636.691	894821.62	40	11	8.131 N	110 35 2	21.813 W

Surface Use Plan for Bill Barrett Corporation's Development Program Black Tail Ridge Area Duchesne County, Utah

1. Existing Roads:

The Black Tail Ridge Areas are located approximately 12 miles Southwest of Duchesne, Utah and extend from Township 3 South, Range 5 West, Range 6 West, and Range 7 West and the North ½ of Township 4 South, Range 5 West, Range 6 West, and Range 7 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of state and county roads under UDOT and Duchesne County Road Department maintenance is necessary to access the Project Area. Improvements to existing access roads will be noted in the site specific APD's.

2. Planned Access Roads:

Descriptions of the individual access road(s) will be included in the site specific APD and ROW application.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance with the UDWR.

3. <u>Location of Tank Batteries, Production Facilities, and Production Gathering</u> And Service Lines:

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

4. Location and Type of Water Supply

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

5. Source of Construction Materials:

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from UDWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

6. <u>Methods of Handling Waste Materials:</u>

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

7. Ancillary Facilities:

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

8. Wellsite Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

9. Plans for Restoration of the Surface:

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be recontoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runon/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on the contour to an appropriate depth. If broadcast seeded, the amount of seed

mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

10. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

Travel will be restricted to approved travel routes.

11. CERTIFICATION

Reed Haddock Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202

Phone: 303-312-8546 Fax: 303-291-0420

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bill Barrett Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.Ş.C. 1001/for the filing of a false statement.

DATE: February 27, 2007

Reed Haddock Permit Analyst

12. Bill Barrett Corporation and UDWR Contacts:

BBC Representatives:

Reed Haddock, Regulatory and Permitting; phone: (303) 312-8546 Scot Donato, Environmental Health and Safety; phone: (303) 312-8191 Monty Shed, Field Operations; phone: (307) 262-1511

UDWR Representatives:

Ben Williams, UDWR, Wildlife Resources; phone: (435) 781-5357 Bill James, UDWR, Wildlife Resources, Manager; phone: (801) 538-4745

BILL BARRETT CORPORATION

#14-29-36 BTR

LOCATED IN DUCHESNE COUNTY, UTAH SECTION 29, T3S, R6W, U.S.B.&M.

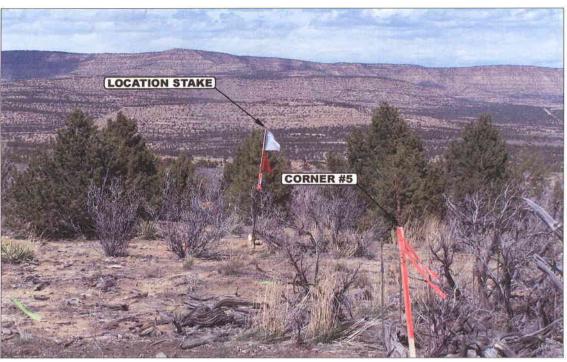


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

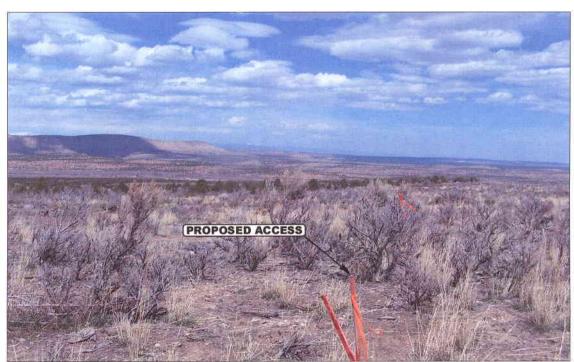


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY

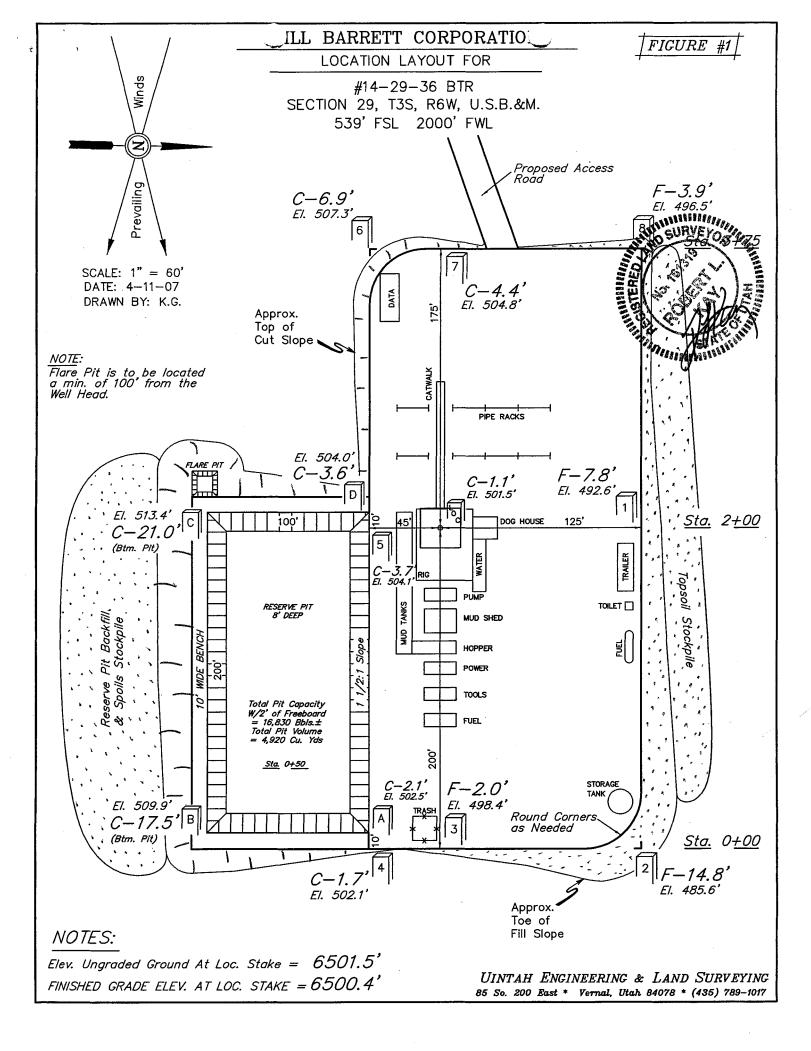
PHOTO

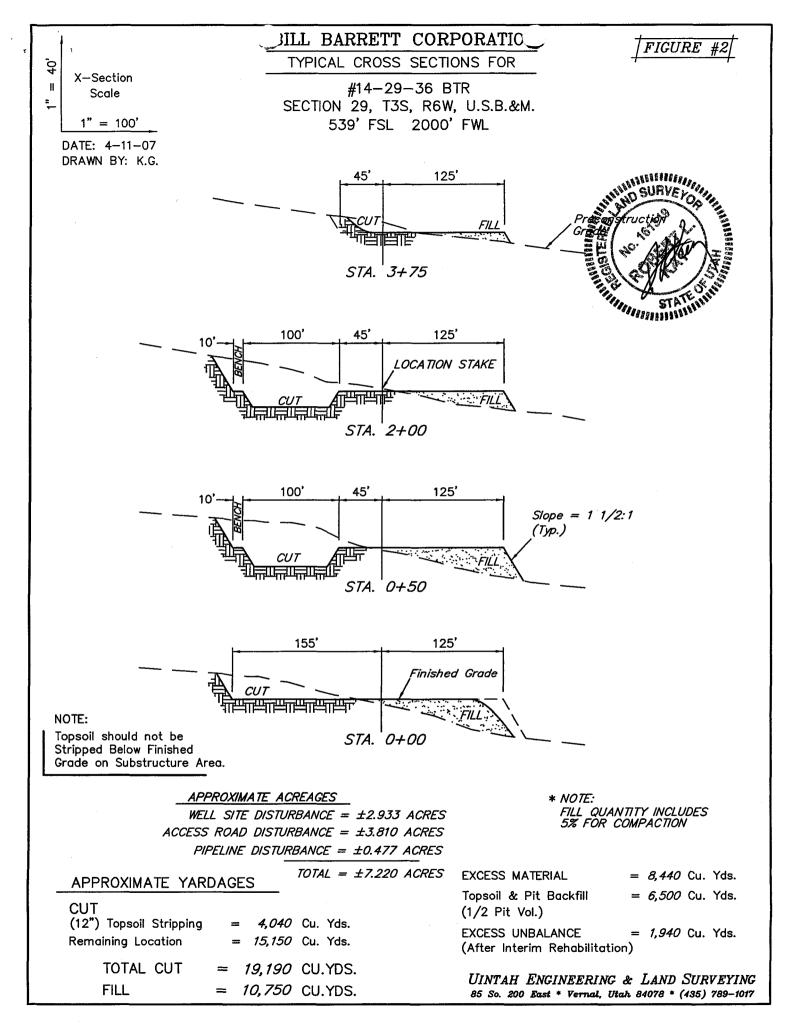


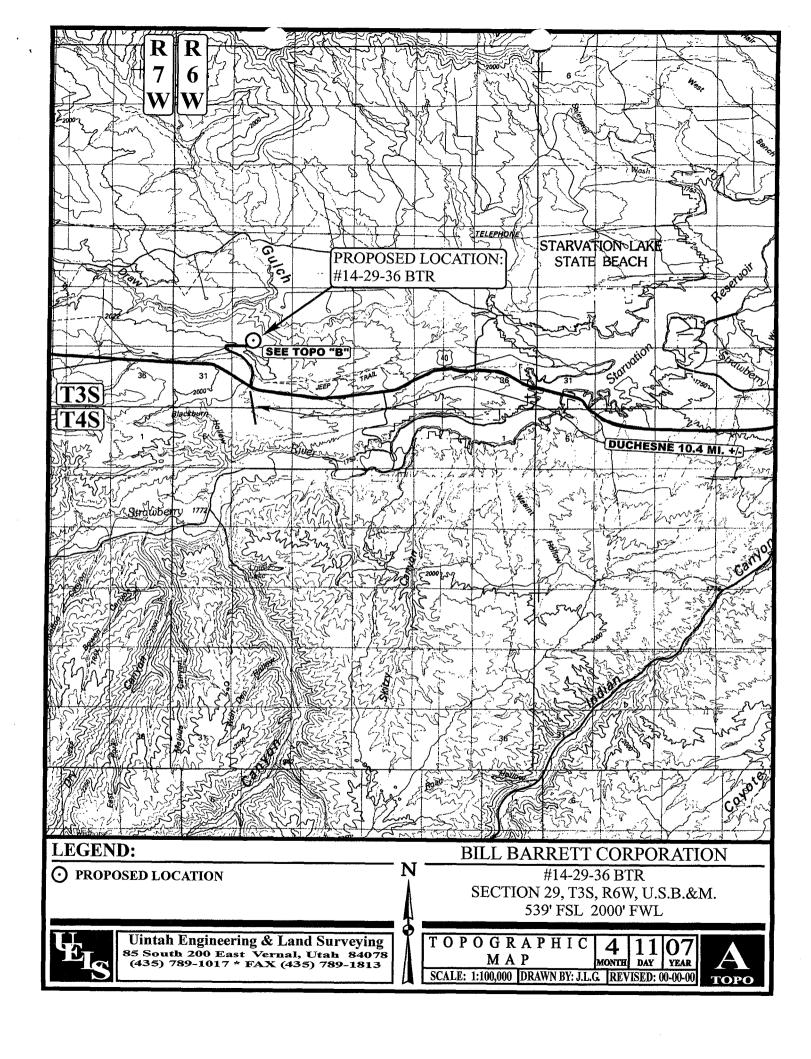
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com T O P O G R A P H I C 4 11 07

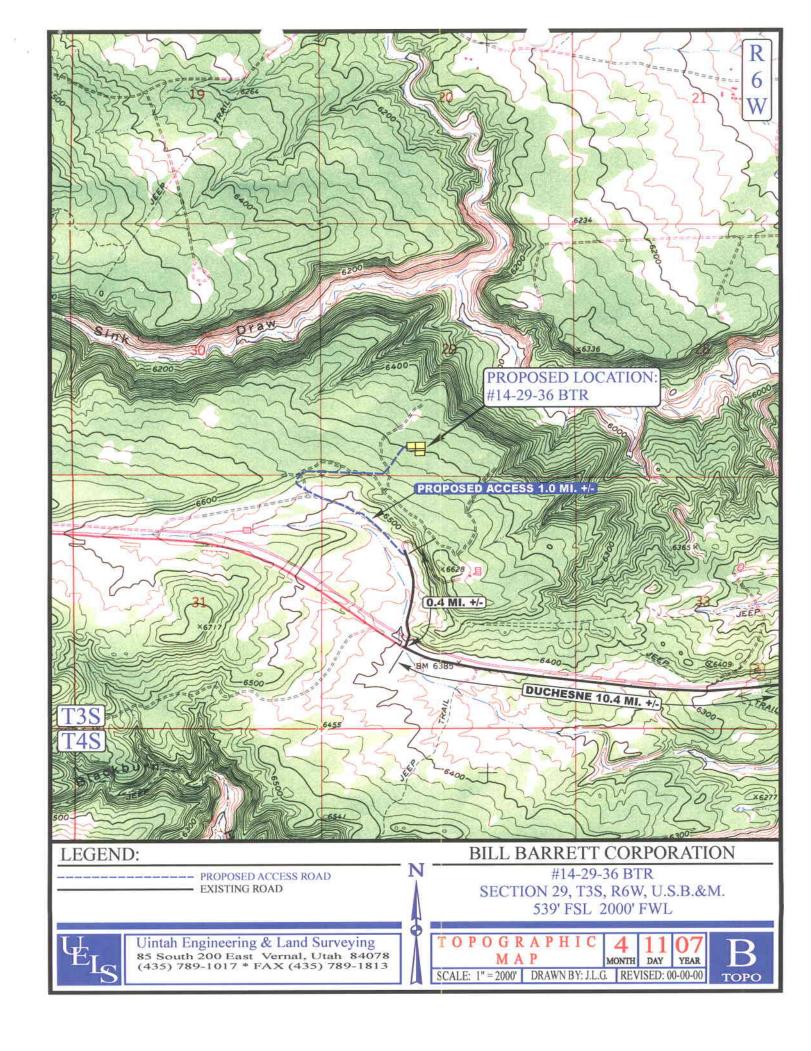
M A P MONTH DAY YEAR

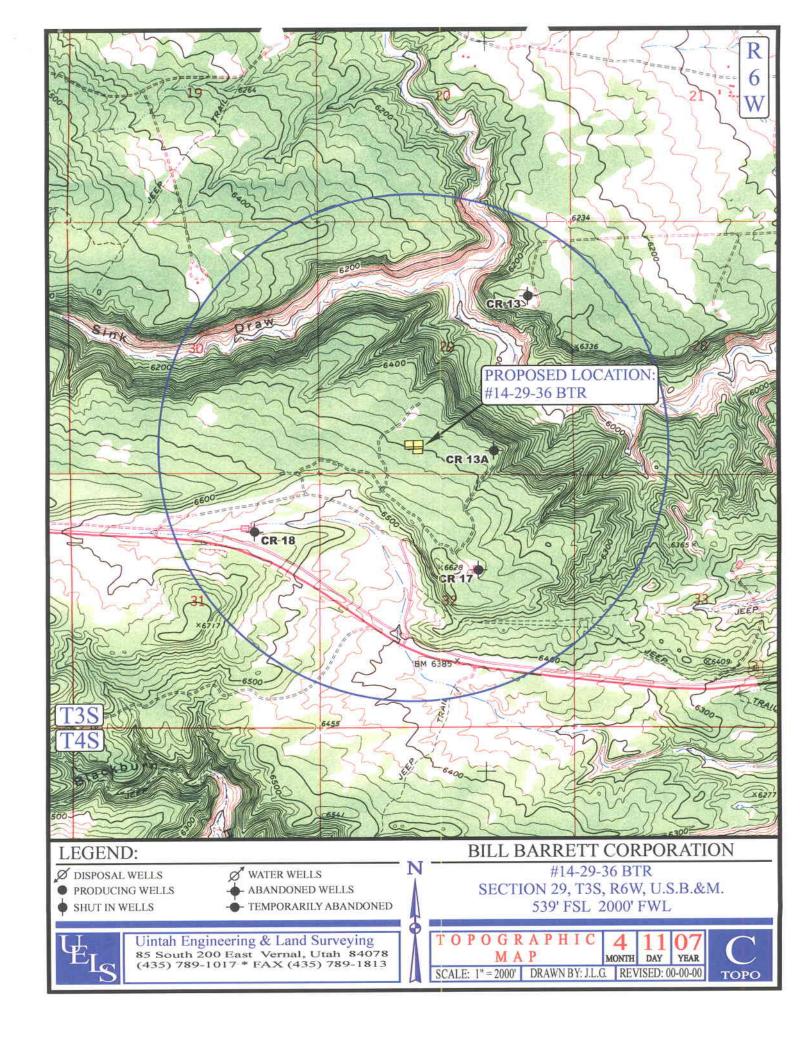
TAKEN BY: D.S. | DRAWN BY: J.L.G. | REVISED: 00-00-00

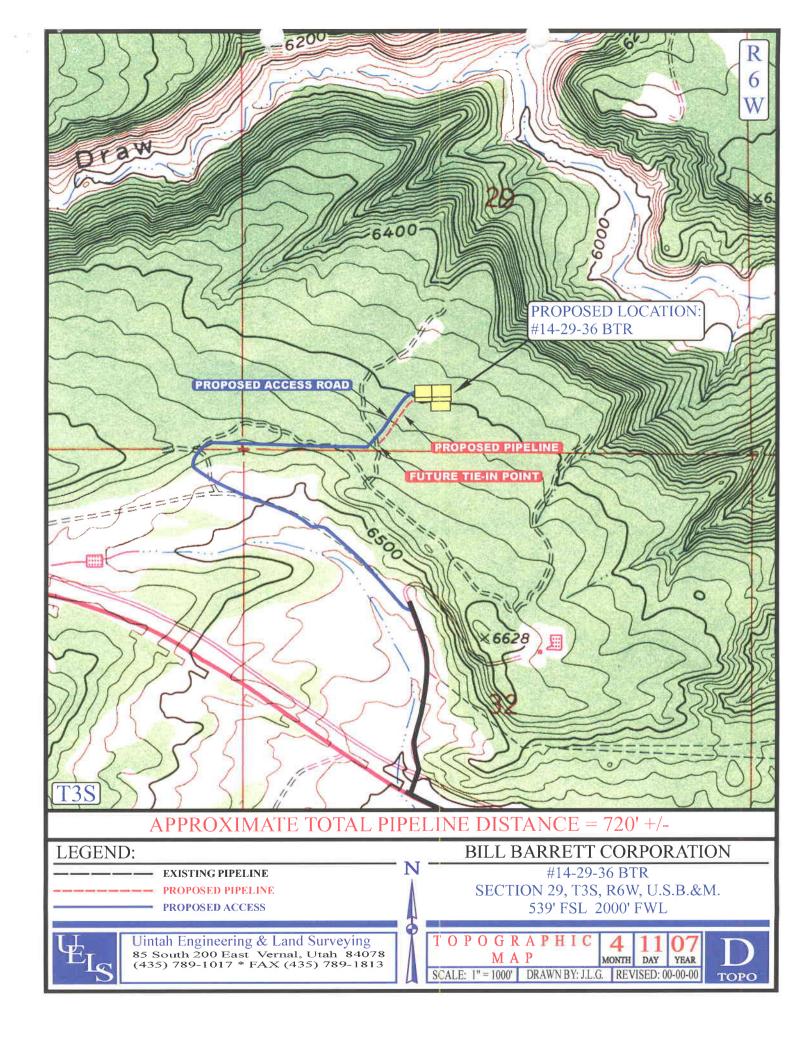






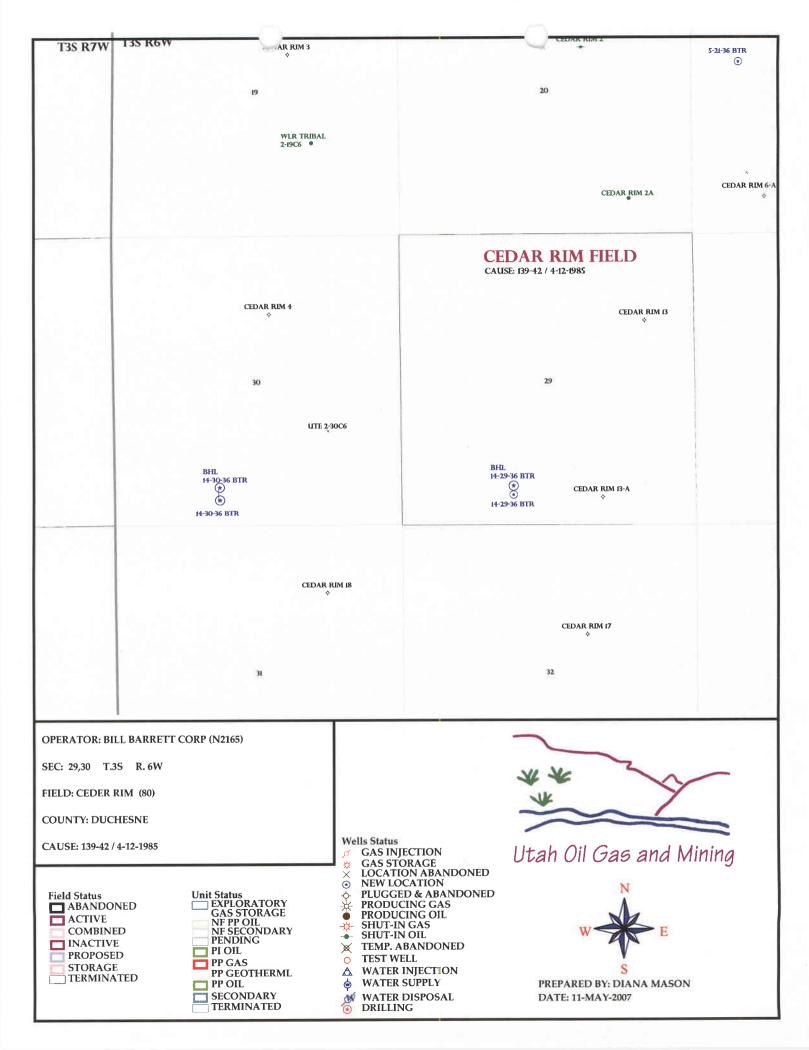






WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/09/2007	API NO. ASSIGNED: 43-013-33643					
WELL NAME: 14-29-36 BTR OPERATOR: BILL BARRETT CORP (N2165) PHONE NUMBER: 303-312-8546 CONTACT: REED HADDOCK						
PROPOSED LOCATION:	INSPECT LOCATN BY: / /					
SESW 29 030S 060W	Tech Review Initials Date					
SURFACE: 0539 FSL 2000 FWL BOTTOM: 0700 FSL 2000 FWL	Engineering					
COUNTY: DUCHESNE	Geology					
LATITUDE: 40.18512 LONGITUDE: -110.5886 UTM SURF EASTINGS: 535027 NORTHINGS: 4448	Surface					
FIELD NAME: CEDAR RIM (80						
LEASE TYPE: 2 - Indian LEASE NUMBER: EDA-20G0005608 SURFACE OWNER: 4 - Fee	PROPOSED FORMATION: NHORN COALBED METHANE WELL? NO					
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING: R649-2-3.					
Bond: Fed[] Ind[2] Sta[] Fee[] (No. WYB000040) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. MUNICIPAL) RDCC Review (Y/N) (Date:) Fee Surf Agreement (Y/N) Intent to Commingle (Y/N)	Unit: R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No:					
COMMENTS: Meds Presidents	(05-24-07)					
STIPULATIONS: 1 Clocked Appr	ENT OF BASIS					



Application for Permit to Drill Statement of Basis

5/29/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No

API WellNo

Status

Well Type GW

Surf Ownr

CBM

419

43-013-33643-00-00

Surface Owner-APD

P

No

BILL BARRETT CORP Operator

Unit

Well Name 14-29-36 BTR

Field

CEDAR RIM

Type of Work

Location

539 FSL 2000 FWL SESW 29 3S 6W U

GPS Coord (UTM) 535027E 4448174N

Geologic Statement of Basis

The mineral rights at the proposed location are owned by the Ute Indian Tribe. The BLM will be the agency responsible for evaluating and approving the proposed casing, cementing and drilling programs.

Brad Hill

5/29/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The general is known as Rabbit Gulch named after the prominent drainage in the area. The Rabbit Gulch drainage begins about 12 miles northeast of Starvation Reservoir and drains into the reservoir on the northwest end. The area is characterized by gentle to moderately sloping pinion-juniper forest-lands with frequent steep, deep draws especially in the headwaters. The draws and some flats have exposed sandstone bedrock out crops. Other flats contain deep sandy loam soils that are quite productive. Many benches and gentle slopes have been chained to remove the tree cover and promote seeded species for deer and elk forage. Water flow in Rabbit Gulch is intermittent and primarily ephemeral. An occasional seep or moist site occurs. The area is approximately 10 miles west of Duchesne, Utah. Access is by US Highway 40 and existing county and oilfield development roads. Approximately one mile of new road will be constructed or improved to reach the location.

The proposed #14-29-36 BTR gas well is on the south side of Rabbit Gulch on the gentle north slope of a ridge. One swale begins within the location and will be filled. Exposed sandstone bedrock occurs on the surface of much of the location. The remainder of the surface is covered with shallow sandy soils. The area was preselected to be in a sparse stand of pinion and juniper trees so as to miss the area that was chained and reseeded to improve the forage for wintering deer. The chained area is to the west and south. The well will be drilled directionally to reach the target area. No drainage or stability concerns exist.

The site selected appears to be a good site for drilling and operating a well.

The Utah Division of Wildlife Resources owns the surface for this location and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe. Darren Williams of the BLM who represents the Ute Indian Tribe was invited to and attended the pre-site evaluation. He had no concerns regarding the site.

To reduce the impact on wintering deer and elk in the area, Ben Williams representing the UDWR, stated they will require, as part of their surface use agreement, that no road or pad construction, drilling or use of work-over rigs occur during the critical wintering period of December 1 thru April 15.

Mr. Emmit gave Mr. Goodrich of Bill Barrett Corp. a copy of DWR's wildlife evaluation and a seed mixture to be used to re-vegetate un-used portions of the disturbed area.

Floyd Bartlett

Onsite Evaluator

5/24/2007

Date / Time

Application for Permit to Drill Statement of Basis

5/29/2007

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category

Condition

Pits

A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be

properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator

BILL BARRETT CORP

Well Name

14-29-36 BTR

API Number

43-013-33643-0

APD No. 419 3S

Field/Unit CEDAR RIM

Location: 1/4.1/4 SESW

Sec 29

Rng 6W

539 FSL 2000 FWL

GPS Coord (UTM) 535022

4418170

Surface Owner

Participants

Floyd Bartlett (DOGM), Fred Goodrich and Michael Beath (Bill Barrett Corp.), Ben Williams and Dan Emmett (Utah Division of Wildlife Resources), Roger Mitchell (Dirt Contractor), Darren Williams (BLM) and Danny Rasmussen and Kyle Abplanalp (UELS)

Regional/Local Setting & Topography

The general is known as Rabbit Gulch named after the prominent drainage in the area. The Rabbit Gulch drainage begins about 12 miles northeast of Starvation Reservoir and drains into the reservoir on the northwest end. The area is characterized by gentle to moderately sloping pinion-juniper forest-lands with frequent steep, deep draws especially in the headwaters. The draws and some flats have exposed sandstone bedrock out crops. Other flats contain deep sandy loam soils that are quite productive. Many benches and gentle slopes have been chained to remove the tree cover and promote seeded species for deer and elk forage. Water flow in Rabbit Gulch is intermittent and primarily ephemeral. An occasional seep or moist site occurs. The area is approximately 10 miles west of Duchesne, Utah. Access is by US Highway 40 and existing county and oilfield development roads. Approximately one mile of new road will be constructed or improved to reach the location.

The proposed #14-29-36 BTR gas well is on the south side of Rabbit Gulch on the gentle north slope of a ridge. One swale begins within the location and will be filled. Exposed sandstone bedrock occurs on the surface of much of the location. The remainder of the surface is covered with shallow sandy soils. The area was pre-selected to be in a sparse stand of pinion and juniper trees so as to miss the area that was chained and reseeded to improve the forage for wintering deer. The chained area is to the west and south. The well will be drilled directionally to reach the target area. No drainage or stability concerns exist.

The site selected appears to be a good site for drilling and operating a well.

The Utah Division of Wildlife Resources owns the surface for this location and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe.

Surface Use Plan

Current Surface Use

Grazing

Recreational

Wildlfe Habitat

Deer Winter Range

New Road

Miles Well Pad **Src Const Material**

Surface Formation

1

Width 280

Length 375

Onsite

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Principal plants on the site are Russian wildrye, crested wheatgrass, yucca, winter fat, broom snakeweed, stipa commata, pinion, juniper, mahogany, squirrel tail, globe mallow, cheat grass, shrubby buckwheat and spring annuals.

Deer, elk, coyotes, and small mammals and birds.

Soil Type and Characteristics

Shallow sandy loam with much of the area covered with exposed sandstone bedrock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors		Site I	Ranking	
Distance to Groundwater (feet)	100 to 200		5	
Distance to Surface Water (feet)	>1000		0	
Dist. Nearest Municipal Well (ft)	>5280		0	
Distance to Other Wells (feet)	>1320		0	
Native Soil Type	Mod permeability		10	
Fluid Type	Fresh Water		5	
Drill Cuttings	Normal Rock		0	
Annual Precipitation (inches)	10 to 20		5	
Affected Populations	<10		0	
Presence Nearby Utility Conduits	Not Present		0	
		Final Score	25	1 Sensitivity Level

Characteristics / Requirements

The reserve pit is 100' x 200' x 8' deep located in an area of cut in the southeast corner of the location. Bill Barrett Corp. commonly uses a 16 mil liner with an appropriate thickness of felt for a cushion for the liner.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Floyd Bartlett 5/24/2007 **Evaluator Date / Time**



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

January 14, 2008

Bill Barrett Corporation 1099 18th St., Ste. 2300 Denver, CO 80202

Re:

14-29-36 BTR Well, Surface Location 539' FSL, 2000' FWL, SE SW, Sec. 29,

T. 3 South, R. 6 West, Bottom Location 700' FSL, 2000' FWL, SE SW, Sec. 29,

T. 3 South, R. 6 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33643.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Duchesne County Assessor

Bureau of Land Management, Vernal Office



Operator:	Bill Bar	rett Corporation	
Well Name & Number	14-29-3	6 BTR	
API Number:	43-013-	33643	
Lease:	EDA-20	OG0005608	
Surface Location: SESW Bottom Location: SESW	Sec. 29 Sec. 29	T. <u>3 South</u> T. <u>3 South</u>	R. 6 West R. 6 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Form 3160-3 (April 2004)

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

UNITED STATES

DEPARTMENT OF THE INTERIOR DEPT. OF THE INTERIOR BIA-EDA-20G0005608

BUREAU OF LAND MANAGEMENT BUREAU OF I AND MEMTIFINGIAN Allotee or Tribe N.

APPLICATION FOR PERMIT TO	DRILL OR REENTER	אווים אווי	TE INDIAN T		
la. Type of work: DRILL REENTE	7 If Unit or CA Agreement, Name and No. N/A				
Ib. Type of Well: Oil Well Gas Well Other	8. Lease Name and We # 14-29-36 BTR	ili No.			
2. Name of Operator BILL BARRETT CORPORATION			9. API Well No. 43 013	33643	
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-8546		10. Field and Pool, or Ex Altamont	ploratory	
4. Location of Weil (Report location clearly and in accordance with any At surface SESW, 539' FSL, 2000' FWL, Section At proposed prod. zone SESW, 700' FSL, 2000' FWL, Section	on 29, T3S, R6W		11. Sec., T. R. M. or Blk. Section 29-T38-I	•	
14. Distance in miles and direction from nearest town or post effice* Approximately 11.8 miles southeast of Duchesne, Utah	12. County or Parish Duchesne	13. State UT			
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 539' SHL; 700' BHL	16. No. of acres in lease N/A	17. Spacin	ng Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1,650' abandoned well	19. Proposed Depth 20. BLM/BIA Bond No. on file 11,043' MD Nationwide Bond #WYB000040			040	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6501' Ungraded Ground	22 Approximate date work will state 07/01/2007	rt*	23. Estimated duration 45 days		
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, shall be a	ttached to thi	s form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Supposed Supposed in the Appropriate Forest Service Office). 	Lands, the 5. Operator certific	ation specific info	rmation and/or plans as m		
25. Signature Lace Hadda K	Name (Printed/Typed) Reed Haddock		D	os/04/2007	
Title Permit Analyst					
Approved by (Signature)	Name (Printed/Typed) Feery Kan	r KA	1	Date 1-28-2008	
Title Assistant Field Manager Lends & Mineral Resources	Office	لَقُهُ لَمُ اللَّهُ			
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached	s legal or equitable title to those righ	ts in the sub	ect lease which would enti	ATTACHE	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVE

RECEIVED FEB 0 1 2008

DIV. OF OIL, GAS & MINING





UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

Bill Barrett Corporation

Location:

SESW, Sec. 29, T3S, R6W (S)

SESW, Sec. 29, T3S, R6W (B)

Well No:

14-29-36 BTR

Lease No:

2OG0005608

API No:

43-013-33643

Agreement:

N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
		Fax: (435) 781-4410	` /

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in
		writing 48 hours in advance of any construction activity. The
		Ute Tribal office is open Monday through Thursday.
Construction Completion	_	Upon completion of the pertinent APD/ROW construction,
		notify the Ute Tribe Energy & Minerals Dept. for a Tribal
		Technician to verify the Affidavit of Completion.
Spud Notice	-	Twenty-Four (24) hours prior to spudding the well.
(Notify Petroleum Engineer)		
Casing String & Cementing	-	Twenty-Four (24) hours prior to running casing and cementing
(Notify Supv. Petroleum Tech.)		all casing strings.
BOP & Related Equipment Tests	-	Twenty-Four (24) hours prior to initiating pressure tests.
(Notify Supv. Petroleum Tech.)		
First Production Notice	-	Within Five (5) business days after new well begins or
(Notify Petroleum Engineer)		production resumes after well has been off production for more
		than ninety (90) days.

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Surface COAs:

- No BLM COAs.
- COAs are covered under UDWR easement # <u>DUC-0707EA-021</u>.

Page 3 of 7 Well: 14-29-36 BTR

1/28/2008

DOWNHOLE CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- The Authorized Officer shall be notified **prior** to implementing the casing and cementing "contingency" plan.
- Casing shoe integrity tests shall be performed.
- All BOPE including floor valves and choke manifold shall be rated to 5M.
- Production casing cement shall be at a minimum 200' above the surface casing shoe.
- All casing strings including the liner top shall be tested in accordance with Onshore Order #2
 requirements

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

Page 4 of 7 Well: 14-29-36 BTR 1/28/2008

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 7 Well: 14-29-36 BTR 1/28/2008

OPERATING REQUIREMENT REMINDERS:

• All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - o Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

Page 6 of 7 Well: 14-29-36 BTR 1/28/2008

• Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

Page 7 of 7 Well: 14-29-36 BTR 1/28/2008

• Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

5. Lease Serial No.

SUNDRY	NOTICES AND REF	PORTS ON WE	LLS	BIA-EDA	A-2OG0005608	
Do not use th	nis form for proposals t	o drill or to re-	enter an	6. If Indian,	Allottee or Tribe Name	
abandoned w	ell. Use Form 3160 - 3 (1	APD) for such pr	oposals.	UTE IND	DIAN TRIBE	
SUBMIT IN TR	IPLICATE- Other instr	ructions on reve	rse side.	7. If Unit or C	CA/Agreement, Name and/or N	0.
1. Type of Well	7.CW-11			N/A		
Oil Well	Gas Well Other			8. Well Name		
2. Name of Operator Bill Barrett (Corporation			# 14-29-3 9. API Well		
3a. Address	***************************************	3b. Phone No. (includ	le area code)	43-013-3	3643	
1099 18th Street, Suite 2300, D		303-312-8546		10. Field and I	Pool, or Exploratory Area	
4. Location of Well (Footage, Sec.,	I., R., M., or Survey Description)			11. County or		
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W				1	•	
					SNE COUNTY	
12. CHECK AF	PROPRIATE BOX(ES) TO	INDICATE NATUR	RE OF NOTICE,	REPORT, OR (OTHER DATA	
TYPE OF SUBMISSION		TY	PE OF ACTION			
Notice of Intent	Acidize	Deepen	Production (S	tart/Resume)	Water Shut-Off	
Notice of Intent	✓ Alter Casing	Fracture Treat	Reclamation	Ļ	Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recomplete	L	Other	
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily A			
	Convert to Injection	Plug Back	Water Disposa	I		
following completion of the inv testing has been completed. Fir determined that the site is ready BBC is requesting permiss approved 1/28/08, which is proposal below the surface has experienced in offset w 3,000' and cemented back alleviates a string of 7-5/8" in the event lost circulation the 3,000' of surface casing BBC will pre-set and ceme rigged up on the well with diverted to the reserve pit with mud to 3,000'. Please contact Dominic Sp	sion to set 3,000' of surface casculded the setting of 1,000' of e casing shoe. The increase in rells drilled to date within the to surface would mitigate pote intermediate casing. BBC rear is encountered below 3,000', g are attached. Int 150' of 16'' or 20'' conducte a diverter in place to drill the and air drilling would cease. The surface is encountered and a surface in the surface in place to drill the surface in place to drill the surface in the surface in place to drill the surface in the surface in place to drill the surface in place in place in the surface in place in place in the surface i	results in a multiple complified only after all require sing on its upcoming 1 10-3/4" surface casin planned surface casin project area. Log evantial lost circulation, quests permission to i but expects this not to or, which will be groun 14-3/4" hole to 3,000° The actual drilling right	detion or recompletion ments, including reclar the second section of the second	in a new interval, a mation, have been of the original per and an "alternate attempt to mitigals indicates that allow our "planner nate" proposal is evised casing described. An air of the flow is encouraght in and the su	a Form 3160-4 shall be filed on completed, and the operator has mit for the 14-29-36 BTR view casing and cementing gate lost circulation that Bl a surface casing string set and casing program which indicated in the original AF sign and cementing designs design and cementing design a	vas BC at D for
14. I hereby certify that the foregoest Name (Printed/Typed)	going is true and correct					
Reed Haddock		Title P	ermit Analyst			
Signature / /	taddock	Date		02/28/2008 Accepted	by the	Of This
	THIS SPACE FOR F	EDERAL OR S	TATE OFFICE		SICKLE SHORIGHT	Approval Of This LIS Necessary
			. 0	ii, Gas an	O WILLIAM ACTION	<u>-10-1</u> 100000m/
Approved by Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in	loes not warrant or a the subject lease	office Date:	344		
Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudule	43 U.S.C. Section 1212, make it a ent statements or representations a	crime for any person kr s to any matter within it	nowingly and willfully s jurisdiction.	to make to any de	PRECEIVED	nited

(Instructions on page 2)

COPY SENT TO OPERATOR

MAR 0 4 2008

Initials:

DIV. OF OIL, GAS & MINING

Well name:

14-29-36 BTR_Deep Sfc

Operator:

Bill Barrett Corporation

String type:

Conductor

Location:

SESW SEc. 29, T3S-R6W, Duchesne Co., UT

8.34 ppg

Design parameters:

Minimum design factors:

Environment:

Collapse

Mud weight:

Collapse: Design factor

1.125

H2S considered? Surface temperature: No

Bottom hole temperature:

60.00 °F

Temperature gradient:

62 °F 1.22 °F/100ft

Minimum section length:

1,500 ft

Design is based on evacuated pipe.

Burst:

Design factor

1.00

Cement top:

Surface

<u>Burst</u>

Max anticipated surface

pressure:

32 psi

Internal gradient: Calculated BHP

0.22 psi/ft 65 psi

Tension:

Non-directional string.

No backup mud specified.

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J) 1.80 (J)

Premium:

Buttress: 1.80 (J) 1.80 (B) Body yield:

Tension is based on buoyed weight. Neutral point:

132 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	150	16	65.00	H-40	ST&C	150	150	15.125	19.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	65	630	9.694	65	1640	25.24	9	439	51.32 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8164 FAX: (303) 291-0420

Date: February 4,2008 Denver, Colorado

Collapse is based on a vertical depth of 150 ft, a mud weight of 8.34 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



Bill Barrett Corporation E-bill 1099 18th Street - Suite 2300 **Denver, Colorado 80202**

BTR 14-29-36

Duchesne County, Utah United States of America S:29 T:3S R:6W API/UWI 049013336410000

10 3/4" Surface Casing **Cementing**

Prepared for: Dominic Spencer February 6, 2008

Version: 1

Submitted by: Pat Kundert Halliburton 1125 17th Street - Suite 1900 Denver, Colorado 80202 +303.886.0839

HALLIBURTON

Job Information

Surface Casing

BTR 14-29-36

Surface Hole 0 - 3000 ft (MD)

Inner Diameter 14.750 in Job Excess 75 %

Surface Casing 0 - 3000 ft (MD)

Outer Diameter 10.750 in
Inner Diameter 9.950 in
Linear Weight 45.50 lbm/ft

Casing Grade J-55

Mud TypeWater Based MudMud Weight8.80 lbm/galBHST97 degF

Calculations

Surface Casing

Spacer:

Total Spacer = 112.29 ft^3

= 20.00 bbl

Cement: (2500.00 ft fill)

 $2500.00 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 75 \% = 2433.92 \text{ ft}^3$

Total Lead Cement = 2433.92 ft^3 = 433.50 bbl

Sacks of Cement = 1316 sks

Cement: (500.00 ft fill)

 $500.00 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 75 \%$ = 486.78 ft^3 Tail Cement = 486.78 ft^3

= 86.70 bbl

Shoe Joint Volume: (44.00 ft fill)

 $44.00 \text{ ft} * 0.54 \text{ ft}^3/\text{ft}$ = 23.76 ft³

= 4.23 bbl

Tail plus shoe joint = 510.54 ft^3

= 90.93 bbl

Total Tail = 444 sks

Total Pipe Capacity:

 $3000.00 \text{ ft} * 0.54 \text{ ft}^3/\text{ft}$ = 1619.92 ft^3

= 288.52 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint = 288.52 bbl - 4.23 bbl

= 284.29 bbl

Job Recommendation

Surface Casing

Fluid Instructions

Fluid 1: Water Based Spacer

Fresh Water with Gel Fluid Density: 8.50 lbm/gal

Poly-E-Flake (Lost Circulation Additive) 25 lbm/bbl Fluid Volume: 20 bbl

10 lbm/bbl Bentonite (Viscosifier)

Fluid 2: Lead Cement -(2500 - 0')

Halliburton Light Premium Fluid Weight 12.70 lbm/gal 1 % Calcium Chloride (Accelerator) Slurry Yield: $1.85 \text{ ft}^3/\text{sk}$

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Total Mixing Fluid: 9.90 Gal/sk

Top of Fluid: 0 ftCalculated Fill: 2500 ft Volume: 433.50 bbl

Calculated Sacks: 1315.63 sks **Proposed Sacks:** 1320 sks

Fluid 3: Tail Cement – (3000 – 2500')

Premium Cement Fluid Weight 15.80 lbm/gal Slurry Yield: 1.15 ft³/sk 94 lbm/sk Premium Cement (Cement) 1 % Calcium Chloride (Accelerator) Total Mixing Fluid: 4.97 Gal/sk

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) Top of Fluid: 2500 ft Calculated Fill: 500 ft

Volume: 90.93 bbl Calculated Sacks: 443.95 sks **Proposed Sacks:** 445 sks

Fluid 4: Top Out Cement

Premium Cement Fluid Weight 15.80 lbm/gal 1.15 ft³/sk 94 lbm/sk Premium Plus Cement (Cement) Slurry Yield: Total Mixing Fluid: 94 lbm/sk Premium Cement (Cement) 4.97 Gal/sk 2 % Calcium Chloride (Accelerator) **Proposed Sacks:** 100 sks

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Co	mpany:		BILL E	BARRE	TT CORPO	RATION	
Well Name:		····	14-29-	36 BTF	R		
Api No:	43-013-3	3643	<u> </u>]	Lease Type:_	INDIAN – FEE SU	J RF
Section_29_	_Township_	03S	_Range_	06W	County_	DUCHESNE	
Drilling Cor	ntractor <u>C</u>	RAIG	S ROUS	TABO	UT SERV_R	IG# <u>3</u>	
SPUDDE	D:						
	Date	03	3/13/08				
	Time	2	:00 PM				
	How	D	RY				
Drilling wi	II Comme	nce:_					
Reported by	***************************************	,	ODY SO	UTH			
Telephone#			(208) 695	<u>-4817</u>			
Date	03/14/08		Sign	ed	CHD		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FO	RA	Ä	6
		77	•

ENTITY ACTION FORM						
Operator:	Bill Barrett Corporation		Operator Account Number: N 2165			
Address:	1099 18th Street, Suite 2300					
	city Denver		_			
	state_CO	zip 80202	Phone Number: (303) 312-8546			

Wall 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333643	# 14-29-36 BTR		SESW	29	38	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Α	99999	16725	3	/14/200	В	3/	117/08

Spudding Operations will be conducted by Craig Roustabout Service, Inc. on 3/14/2008 @ 8:00am.

Wall 2

API Number	Well Name		QQ	Sec	Twp	Rng	County	
Action Code	Current Entity Number	New Entity Number	s	Spud Date		Entity Assignment Effective Date		
omments:								

Well 3

API Number	Well Name		QQ Sec Twp		Rng County		
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
omments:			<u></u>	<u></u>			

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Reed Haddock

Signature

Permit Analyst

3/14/2008

Date

(5/2000)

RECEIVED

MAR 1 4 2008

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.				6. If Indian,	Al-2OG0005608 Allottee or Tribe Name DIAN TRIBE
SUBMIT IN TRIPLICATE- Other instructions on reverse side.				7. If Unit or 0	CA/Agreement, Name and/or No.
	Gas Well Other			8. Well Nam # 14-29-3	
2. Name of Operator Bill Barrett C	Corporation			9. API Wel	No.
3a. Address 1099 18th Street, Suite 2300, D	enver, CO 80202	3b. Phone No. (included) 303-312-8546	de area code)		Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 539' FSL, 2000' FWL SESW, Section 29, T3S, R6W	T., R., M., or Survey Description)				Parish, State SNE COUNTY
12. CHECK AF	PROPRIATE BOX(ES) TO	INDICATE NATU	RE OF NOTICE,	REPORT, OR	OTHER DATA
TYPE OF SUBMISSION			PE OF ACTION		
✓ Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	- ·		Water Shut-Off Well Integrity Other Well Spud
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Water Dispos		
following completion of the inv testing has been completed. Fir determined that the site is ready	nal Abandonment Notices shall be	results in a multiple con filed only after all requi	npletion or recompletion rements, including recla	n in a new interval, amation, have been	a Form 3160-4 shall be filed once
14. I hereby certify that the fore Name (Printed/Typed) Reed Haddock	going is true and correct	Title	Permit Analyst		
Signature / // /	Haddock	Date		03/14/2008	
	THIS SPACE FOR	FEDERAL OR	STATE OFFIC	E USE	
Approved by			Title	D	ate
Conditions of approval, if any, are certify that the applicant holds legs which would entitle the applicant t	l or equitable title to those rights	does not warrant or in the subject lease	Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department of the view of the states any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OM B No. 1004-0137 Expires: March 31, 200

Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					BIA-EDA-2OG0005608 6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.					r CA/Agreement, Name and/or No.	
1. Type of Well Gas Well Other					me and No.	
2. Name of Operator Bill Barrett	Corporation			9 API W		
3a Address 1099 18th Street, Suite 2300, I	Denver, CO 80202	3b. Phone No. (include area code) 303-312-8546 43-013-33643 10. Field and Pool, or Exploratory Area			-33643	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			ALTAMONT			
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W			1	or Parish, State ESNE COUNTY		
12. CHECK A	PPROPRIATE BOX(ES) TO	O INDICATE NATUR	E OF NOTICE, R	EPORT, OF	OTHER DATA	
TYPE OF SUBMISSION		TYI	PE OF ACTION			
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction Plug and Abandon	Production (Stan Reclamation Recomplete Temporarily Ab		Water Shut-Off Well Integrity Other Weekly Drilling Activity	
Final Adandonment Notice	Convert to Injection	Plug Back	Water Disposal			

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Weekly drilling activity report from 5/1/08 - 5/5/2008.

14. I hereby certify that the foregoing is true and correct Name (Printed Typed) Reed Haddock	Title Permit Anal	yst	
Signature LOIDHAOOCK	Date	05/05/2008	
THIS SPACE FOR FEDERAL	OR STATE O	FFICE USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject leawhich would entitle the applicant to conduct operations thereon.			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED MAY 0 9 2008



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

Operations Date: 5/5/2008

Report #:

5 Depth At 06:00: 1944.00

43-013-33643

API #/License

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Drill f/ 1234'ft to 1326'ft

Drill f/ 1326'ft to 1727'ft

TIH-Wash 49'ft to bottom

Drill f/ 1727'ft to 1944'ft

Set AKO on mudmotor to 1.83 degrees

Spud Date: 5/3/2008

Rig service

POOH

Days From Spud:

Morning Operations: Drilling ahead

Time To

7:30 AM

8:00 AM

7:30 PM

9:00 PM

9:30 PM

10:30 PM

6:00 AM

Remarks:

Description

DSLTA:120

Safety Meetings:PU/Drillpipe;Sliiding w/table locked

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:5197 gallons

USED:1229 gallons

TOTAL FUEL USED:3043 gallons

Boiler24 HRS

Daily water hauled:0 BBLS Total water hauled:8070 BBLS

Acc: Man: Ann:

Fluid:13" **BOP Drills:**

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/4/2008

Report #: 4

Depth At 06:00: 1234.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Finish rigging up,fill water tanks w/H2O,mix spud mud.

regain returns. Tagged bottom of formation at 913 ft.

Description

Fill pipe & hole with mud.No returns.Mix & pump LCM sweeps to

Morning Operations: Drilling ahead

Remarks:

DSLTA:119

Safety Meetings: Emergency services

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:6426 gallons

USED:1200 gallons

TOTAL FUEL USED:1814 gallons

Boiler24 HRS

Daily water hauled:6380 BBLS

Total water hauled:8070 BBLS

Acc:

Man: Ann:

Fluid:13"

BOP Drills:

Floorhand Tucker Foit taken to hospital in Roosevelt by

ambulance after he blacked out.Regained

conscienceness on rig floor and complained of numbness

in hands & legs.

Time To

3:00 PM

7:30 PM

9:30 PM

Drill f/ 913'ft to 1234'ft

PU/ bit,mm,Directional tools,SWDP



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/3/2008

Report #:

Depth At 06:00:

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: Rigging up

Remarks:

Time To

Description

6:00 PM

Rigging up-90% rigged up

6:00 AM

Break tower-Rig up conductor, floor, fill mud tanks w/H2O.

DSLTA:118

Safety Meetings: Rigging up w/crane & trucks

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Knight Oil Tools FUEL:2599 gallons

USED: gallons TOTAL FUEL USED: gallons

Boiler24 HRS

Daily water hauled:1790 BBLS Total water hauled:1790 BBLS

Acc: Man: Ann: Fluid:13" **BOP Drills:**

Contacted Ben Williams w/DWR about rig move.BLM &

State of Utah also about tentative spud on 5/3/08.

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/2/2008

Report #:

Depth At 06:00:

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date :5/3/2008

Days From Spud:

Morning Operations: Rigging down & moving rig

Time To

Description

6:00 PM

Rigging down & move rig-All of rig off of old location. Set

mats, subs, A legs, compound.

6:00 AM

Rig idle overnight

Remarks:

DSLTA:117

Safety Meetings:Rigging down (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's (5)8" DC

(30)4.5" SWDP-Rental Knight Oil Tools FUEL:3300 gallons

USED: gallons

TOTAL FUEL USED: gallons

Boiler24 HRS

Daily water hauled:0 BBLS Total water hauled:0 BBLS

Acc: Man: Ann:

Fluid:13" **BOP Drills:**



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/1/2008

Report #:

Depth At 06:00:

Estimated Total Depth: 11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: Rigging down & moving rig

Time To

Description

6:00 AM

Rigging down to move

Remarks:

DSLTA:116

Safety Meetings:Rigging down (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Knight Oil Tools

Mudmotors:Hunting 6.75 S/N 2053 19.5 HRS & 2033

CLEAN FUEL:3300 gallons

USED: gallons TOTAL FUEL USED: gallons Boiler24 HRS

Daily water hauled:0 BBLS Total water hauled: BBLS

Acc:

Man:

Ann:

Fluid:13" **BOP Drills:** Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED	
OM B No. 1004-0137	
Expires: March 31, 200	7

BUREAU OF LAND MANAGEMENT						
SUNDRY	NOTICES AND REF	PORTS ON WE			A-2OG0005608	
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.			6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE			
SUBMIT IN TRIPLICATE- Other instructions on reverse side.			7. If Unit or CA/Agreement, Name and/or No. N/A			
1. Type of Well Oil Well	Gas Well Other			8. Well Name and No. # 14-29-36 BTR 9. API Well No. 43-013-33643 10. Field and Pool, or Exploratory Area		
2. Name of Operator Bill Barrett (Corporation					
3a Address 1099 18th Street, Suite 2300, D	enver, CO 80202	3b. Phone No. (include 303-312-8546	area code)			
4. Location of Well (Footage, Sec.,				ALTAN	MONT	
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W				-	or Parish, State ESNE COUNTY	
12. CHECK AF	PPROPRIATE BOX(ES) TO	INDICATE NATUR	E OF NOTICE, RI	EPORT, OR	OTHER DATA	
TYPE OF SUBMISSION		TYF	E OF ACTION			
Notice of Intent ✓ Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production (Star Reclamation Recomplete	·	Water Shut-Off Well Integrity Other Weekly Drilling	
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Aba Water Disposal	andon	Activity	
Attach the Bond under which the following completion of the invalenting has been completed. Find determined that the site is ready	ctionally or recomplete horizontally the work will be performed or provid olved operations. If the operation re tal Abandonment Notices shall be fi	r, give subsurface location le the Bond No. on file w esults in a multiple compl	is and measured and true rith BLM/BIA. Require etion or recompletion in	e vertical depths d subsequent re a new interval	s of all pertinent markers and zones. ports shall be filed within 30 days a Form 3160-4 shall be filed once	
					•	

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	l		
Roed Haddock	Title	Permit Analyst	•
Signature Hold Haddock	Date	05/12/2008	
THIS SPACE FOR FEDERAL	OR	STATE OFFICE USE	
Approved by		Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject lewhich would entitle the applicant to conduct operations thereon.		Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any	nerson	knowingly and willfully to make to	any department or agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

Operations Date: 5/12/2008

Bottom Hole Display API #/License SESW-29-3S-6W-W30M 43-013-33643

Report #: Depth At 06:00 : 6800.00

Estimated Total Depth: 11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date : 5/3/2008

Days From Spud:

Morning Operations : DRLG.

Time To

Description

2:30 PM DRLG. 6050-6295

3:00 PM RIG SERVICE

3:00 PM

DRLG 6295-6800

Remarks: DSLTA:127

Safety Meetings CHANGING SEAT IN PUMP (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:4550 gallons

USED:2200 gallons (PUT 800+-IN MUD)

TOTAL FUEL USED:11,824 gallons Daily water hauled:0 BBLS

Total water hauled:11,450 BBLS

Acc:2700 Man:2700

Ann:850 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

Operations Date: 5/11/2008

Report #:

11

Depth At 06:00: 6050.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date : 5/3/2008

Days From Spud:

Morning Operations : DRLG.

Time To

Remarks:

Description

43-013-33643

3:30 PM DRLG. F 5225 - 5491

4:00 PM SERVICE RIG

6:00 AM DRLG. 5491-6050 DSLTA:126

Safety Meetings CLEANING BOILER FLUMES (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools FUEL:6804 gallons

USED:1350 gallons

TOTAL FUEL USED:9624 gallons Daily water hauled:780 BBLS Total water hauled:11,450 BBLS

Acc:2700 Man:2700

Ann:850 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC



Well: #14-29-36 BTR Phase/Area: Black Tail Ridge Operations Date: 5/10/2008

Bottom Hole Display API #/License SESW-29-3S-6W-W30M 43-013-33643

Depth At 06:00: 5225.00

Report #: 10

Estimated Total Depth: 11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: DRLG

Remarks:

Time To

Description

2:00 PM DRLG, 3950-4316 2:30 PM RIG SERVICE

6:00 AM

DRLG. 4316- 5225 MAKE UP WATER 15 BPH

DSLTA:125

Safety Meetings WORKING W/ NEW PERSONEL

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's (5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:3970 gallons USED:1417 gallons

TOTAL FUEL USED:3514 gallons Daily water hauled:650 BBLS Total water hauled: 10,670 BBLS

Acc:2700 Man:2700 Ann:850 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/9/2008

Report #: Depth At 06:00: 3950.00

9

11047.00

Estimated Total Depth:

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: 3950

Remarks:

Description

9:30 AM

Time To

TEST BOPS RIG SERVICE

10:00 AM 2:00 PM

PU BHA TRIP IN HOLE

3:30 PM

DRILL PLUG / CEMENT / FLOAT / SHOE

6:00 AM

DRLG 3020 - 3950 RUN EMW TO 10 PPG

DSLTA:124

Safety Meetings NIPPLE UP (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:5386 gallons

USED:850 gallons TOTAL FUEL USED:3514 gallons Daily water hauled: 0 BBLS

Total water hauled: 10,020 BBLS

Acc:2700 Man:2700 Ann:850 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI



Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/8/2008

Report #:

Depth At 06:00:

Estimated Total Depth:

3020.00 11047.00

Surface Location: SESW-29-3S-6W-W30M

SESW-29-3S-6W-W30M

Bottom Hole Display

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: TEST BOPS

Remarks:

Time To

Description

8:00 AM

RUN CASING

2:30 PM

CIRC CASING RU HALLIBURTON / CEMENT ONE TOP OUT

6:00 PM

CUT OFF COND / WELD ON HEAD

12:00 AM

NIPPLE UP B.O.P.

12:00 AM

TEST BOPS (LEAK IN CHOKE HOSE)

DSLTA:123

Safety Meetings:LAYING DOWN DC'S

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:6237 gallons

USED:472 gallons TOTAL FUEL USED:3514 gallons

Daily water hauled:1040 BBLS

Total water hauled:10,020 BBLS

Acc: Man: Ann:

Fluid:13" **BOP Drills:**

Well: #14-29-36 BTR

Surface Location: SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/7/2008

Report #:

Depth At 06:00: 3020.00

Estimated Total Depth:

11047.00

Bottom Hole Display

SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: RUN 10.75 CASING

Remarks:

Time To

Description

8:00 AM

DRLG. F/ 2650 -2747

8:30 AM

RIG SERVICE

6:00 PM

DRLG F/ 2747 TO 3020 TD

6:30 PM

CIRC & COND HOLE PUMP PILL

9:00 PM

SHORT TRIP TO COND.

11:00 PM

CIRC.MUD COND HOLE

2:30 AM

POOH LD 3 8"DC'S MOTOR

6:00 AM

RU CASERS / SAFETY MEETING / RUN CASING

DSI TA:122

Safety Meetings:LAYING DOWN DC'S

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's (5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:6709 gallons

USED:1376 gallons

TOTAL FUEL USED:3043 gallons

Boiler24 HRS

Daily water hauled:130 BBLS

Total water hauled:8980 BBLS Acc:

Man: Ann: Fluid:13" **BOP Drills:**

NOTIFIED UTAH & BLM @ 8:30 AM 5/6/08 OF UP

COMING CASING/CEMENT JOB



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

3

Operations Date: 5/6/2008

Report #:

Depth At 06:00: 2650.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations: DRLG

Remarks:

Time To

Description

11:00 AM

DRLG F/ 1944 TO 2099

11:30 AM RIG SERVICE

11:30 AM

DRLG 2099 TO 2650

DSLTA:121

Safety Meetings:PU/Drillpipe;Sliiding w/table locked

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools FUEL:3685 gallons

USED:1512 gallons

TOTAL FUEL USED:3043 gallons

Boiler24 HRS

Daily water hauled: 780 BBLS

Total water hauled:8850 BBLS

Acc: Man: Ann:

Fluid:13" **BOP Drills:**

Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/5/2008

5 Report #:

Depth At 06:00: 1944.00

Estimated Total Depth: 11047.00

SESW-29-3S-6W-W30M

Bottom Hole Display

Spud Date: 5/3/2008

Surface Location: SESW-29-3S-6W-W30M

Days From Spud:

Morning Operations : Drilling ahead

Time To

Description

7:30 AM 8:00 AM Drill f/ 1234'ft to 1326'ft

7:30 PM

Rig service

POOH

9:00 PM

Drill f/ 1326'ft to 1727'ft

9:30 PM

Set AKO on mudmotor to 1.83 degrees

10:30 PM

TIH-Wash 49'ft to bottom

6:00 AM

Drill f/ 1727'ft to 1944'ft

Remarks:

DSLTA:120

Safety Meetings:PU/Drillpipe;Sliiding w/table locked

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:5197 gallons

USED:1229 gallons TOTAL FUEL USED:3043 gallons

Boiler24 HRS

Daily water hauled:0 BBLS Total water hauled:8070 BBLS

Acc: Man: Ann:

Fluid:13"

BOP Drills:

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

5.	Lease Serial	No.	

BIA-EDA-2OG0005608

6. If Indian, Allottee or Tribe Name

abandoned well. Use Form 3160 - 3 (APD) for such proposals.				UTE IN	DIAN TRIBE
SUBMIT IN TRIPLICATE- Other instructions on reverse side.					CA/Agreement, Name and/or No.
1. Type of Well Oil Well O Gas Well OO Other				N/A 8. Well Name and No.	
2. Name of Operator Bill Barrett (Corporation			9. API We	
3a. Address 3b. Phone No. (include area code) 1099 18th Street, Suite 2300, Denver, CO 80202 303-312-8546			43-013-33643 10. Field and Pool, or Exploratory Area		
 Location of Well (Footage, Sec., 539' FSL, 2000' FWL SESW, Section 29, T3S, R6W 	T., R., M., or Survey Description))		_	OONT or Parish, State ESNE COUNTY
12. CHECK A	PPROPRIATE BOX(ES) TO	O INDICATE NATUR	E OF NOTICE, R	EPORT, OR	OTHER DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION		
Notice of Intent ✓ Subsequent Report ☐ Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (State Reclamation Recomplete Temporarily Al Water Disposal	ŕ	Water Shut-Off Well Integrity Other Weekly Drilling Activity
13. Describe Proposed or Complete	ed Operation (clearly state all per	rtinent details, including esti	mated starting date of a	ny proposed wo	rk and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Weekly drilling activity report from 5/12/08 - 5/19/2008.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Reed Haddock	Títle Permit Analys	st	=
Signature LOS HOLDOCK	Date	05/19/2008	
THIS SPACE FOR FEDERAL	OR STATE OF	FICE USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject less which would entitle the applicant to conduct operations thereon.			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

MAY 2 1 2008



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/19/2008

Report #: 19

Depth At 06:00: 10315.00

Estimated Total Depth :

th: 11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Davs From Spud: 16

Morning Operations: POOH

Remarks:

Description

Time To 4:00 PM

Dril f/ 9810'ft to 10152'ft-Rot 90% Sliding 10%

4:30 PM

Rig service

12:00 AM

Drill f/ 10152'ft to 10315'ft-TD well

2:00 AM 6:00 AM Pump sweep/Circulate hole clean Flow check;Pump dry job;TOOH-SLM DSLTA:134

Safety Meetings:Painting;Tripping (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools Hunting MM: 6.75" .13rpg S/n:2067(57 hrs)

2033

FUEL:4630 gallons

USED:1229 gallons

TOTAL FUEL USED:20,481 gallons Daily water hauled:0 BBLS Total water hauled:15,820 BBLS

Acc:2700 Man:2700 Ann:750

Ann:750 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 60 SEC

Estimated Total Depth:

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area : Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/18/2008

Report #: 18

Depth At 06:00: 9810.00

11047.00

Surface Location : SESW-29-3S-6W-W30M

Spud Date : 5/3/2008

Days From Spud: 15

Morning Operations: Drilling ahead

Remarks:

Description DSLTA:133

3:30 PM Drill f/ 9069'ft to 9346'ft-Rot 90% Sliding 10%

4:00 PM Rig service

Time To

6:00 AM Drill f/ 9346'ft to 9810'ft-Rot 90% Sliding 10%

Safety Meetings:Lifting;Mixing mud (320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools Hunting MM: 6.75" .13rpg S/n:2067(39.5 hrs)

2033

FUEL:4630 gallons USED:1229 gallons

TOTAL FUEL USED:20,481 gallons Daily water hauled:780 BBLS Total water hauled:15,820 BBLS

Acc:2700 Man:2700 Ann:750 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/17/2008

Report #:

Depth At 06:00: 9069.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

TIH to 2780'ft

TIH to 3336'ft

Rig service

Cut & slip 120'ft drilling line

Reaming f/7707'ft to 7905'ft

Drill f/ 8755'ft to 8637'ft

Break circulation & circulate BU @ 3336'ft

TIH-Break circulation @ 5054',6075',7094'ft

TIH to 8500'ft-Wash &ream 70'ft to bottom

Drill f/ 8637'ft to 9069'ft-Rot 80% Sliding 20%

Spud Date: 5/3/2008

Days From Spud: 14

Description

Morning Operations: Drilling ahead

Time To

7:30 AM

8:30 AM

9:00 AM

9:30 AM

12:30 PM

1:00 PM

1:30 PM

4:00 PM

4:30 PM

6:00 AM

Remarks:

DSLTA:132

Safety Meetings: Tallying pipe; Making connections

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067(16 hrs)

FUEL:5859 gallons

USED:945 gallons

TOTAL FUEL USED:19,252 gallons

Daily water hauled:0 BBLS

Total water hauled: 15.040 BBLS

Acc:2500 Man:2500

Ann:750 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Drill f/ 8392'ft to 8449'ft-Sliding 80% Rot 20%

Circulate out gas & raise mud wt to 10.1ppg

Drill f/ 8449'ft to 8484'ft-Sliding 90% Rot 10%

Drill f/ 8484'ft to 8577'ft-Sliding 90% Rot10%

POOH f/ bit #3;LD 6.5"DC's,MM,Bit;PU New/MM,bit

Set AKO to 1.83 deg; change batteries in MWD; Orient tools

Circulate BU; Flow check; Pump pill.

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/16/2008

Report #:

Depth At 06:00: 8577.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Rig service

Days From Spud: 13

Description

Morning Operations: TIH

Time To

9:30 AM

12:00 PM

2:30 PM

3:00 PM

10:30 PM

12:00 AM

5:00 AM

6:00 AM

Remarks:

DSLTA:131

Safety Meetings: Background Gas; Tripping

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067

FUEL:6804 gallons

USED:1417 gallons

TOTAL FUEL USED:16,890 gallons 800 GAI +- IN MUD

Daily water hauled:520 BBLS

Total water hauled:15,040 BBLS

Acc:2700 Man:2700

Ann:850

Fluid:14'

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC



Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

Operations Date: 5/15/2008

Bottom Hole Display API #/License SESW-29-3S-6W-W30M 43-013-33643

Report #: Depth At 06:00: 8400.00

Estimated Total Depth: 11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud: 12

Morning Operations: DRLG

Remarks:

Time To

Description

DSLTA:130 Safety Meetings

3:00 PM

DRLG 7800-7991

3:30 PM RIG SERVICE

CONN.

(320)JTS 4.5"XH "G-105" DP (24) 6 1/2"DC's

(5)8" DC

6:00 AM DRLG. 7991 - 8400 SLIDING 30' ALL MOST EVER OTHER

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:3874 gallons

USED:2173 gallons TOTAL FUEL USED:16,890 gallons 800 GAI +- IN MUD

Daily water hauled:0 BBLS Total water hauled:14,520 BBLS

Acc:2700 Man:2700 Ann:850

Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

ON MUD REPORT USEING PF F/ DAP PPB

Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/14/2008

Report #: Depth At 06:00: 7800.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud: 11

Morning Operations: DRLG.

Remarks:

Time To

Description

DSLTA:129

3:00 PM DRLG. 7129-7342

3:30 PM

RIG SERVICE

6:00 AM

DRLG. 7342-7800

Safety Meetings CLEANING LIGHT COVERS / PU &LD

BHA

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:6048 gallons USED:1570 gallons

TOTAL FUEL USED:14,717 gallons 500 GAI +- IN MUD Daily water hauled:600 BBLS

Total water hauled:14,520 BBLS

Acc:2700 Man:2700

Ann:850 Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

ON MUD REPORT USEING PF F/ DAP PPB



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/13/2008

Report #:

13

Depth At 06:00 :

7129.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date :5/3/2008

Days From Spud: 10

Morning Operations: WASH TO BOTTOM

Remarks:

Time To

Description

11:30 AM

DRLG, F/ 6800 TO 7005

12:30 PM

MIX LCM REGAIN CIRC LOST APP 500 BBL

5:00 PM

DRLG, F/7005-7129

5:30 PM

RIG SERVICE

6:00 PM

CIRC MUD COND HOLE PUMP PILL

10:00 PM

POOH

1:00 AM

LD 3 6: DC 8" DIR. TOOLS PU 8.3/4 BIT 6" BHA

3:00 AM

TRIP IN HOLE

4:00 AM

CHANGE ROTATING HEAD FILL PIPE / CIRC

5:00 AM

TRIP ON IN TO 7000'

6:00 AM

BREAK CIRC. WASH TO BOTTOM

Bottom Hole Display

SESW-29-3S-6W-W30M

DSLTA:128

Safety Meetings CLEANING LIGHT COVERS / PU &LD

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:3118 gallons

USED:1323 gallons

TOTAL FUEL USED:13,147 gallons Daily water hauled: 2470 BBLS

Total water hauled:13,920 BBLS

Acc:2700

Man:2700 Ann:850

Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/12/2008

Report #: 12

Depth At 06:00: 6800.00 Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud:

Morning Operations : DRLG.

Remarks:

Time To

Description

2:30 PM

DRLG. 6050-6295

3:00 PM

RIG SERVICE

3:00 PM

DRLG 6295-6800

DSLTA:127

Safety Meetings CHANGING SEAT IN PUMP

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's (5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

FUEL:4550 gallons

USED:2200 gallons (PUT 800+-IN MUD)

TOTAL FUEL USED:11,824 gallons

Daily water hauled:0 BBLS

Total water hauled:11,450 BBLS

Acc:2700 Man:2700

Ann:850 Fluid:14'

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 53 SEC

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

٠	Lease Senai No.	
	RIA-EDA-20C0005608	

Do not use ti abandoned w	UTE INDIAN TRIBE						
SUBMIT IN TR	7. If Unit or CA/Agreement, Name and/or No. N/A 8. Well Name and No. # 14-29-36 BTR 9. API Well No. 43-013-33643 10. Field and Pool, or Exploratory Area						
1. Type of Well Oil Well							
2. Name of Operator Bill Barrett 6							
3a Address							
1099 18th Street, Suite 2300, D							
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)			ALTAMONT 11. County or Parish, State DUCHESNE COUNTY			
539' FSL, 2000' FWL							
SESW, Section 29, T3S, R6W							
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NATUR	RE OF NOTICE, F	REPORT, OR OTHER	DATA		
TYPE OF SUBMISSION	TYPE OF SUBMISSION TYPE						
Attach the Bond under which t following completion of the in	ectionally or recomplete horizontal he work will be performed or prov volved operations. If the operation nal Abandonment Notices shall be	ly, give subsurface location ride the Bond No. on file was a results in a multiple comp	ons and measured and tr with BLM/BIA. Requi- pletion or recompletion	Well I. Other bandon any proposed work and approve vertical depths of all pertired subsequent reports shall in a new interval, a Form 31	nent markers and zones. be filed within 30 days 60-4 shall be filed once		
cement design to be lighte	(BBC) is requesting permission or weight yet still offer the neco ore and circulate cement to sur	essary compressive str					
Please contact Dominic Sp 312-8164.	pencer regarding any question	s regarding our propo	sed cement slurry p	rogram. Dominic can be	reached at (303)		
				COPY SENT TO	OPERATOR		
				Date: 10 · 10	.2008		

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1						
Reed Handock	Title	Permit Analyst					
Signature And Haddock	Date	05/20/2008					
THIS SPACE FOR FEDERAL OR STATE OFFICE USE							
Approved by		Archepted by the	Date:				
Conditions of approval, if any, are attached. Approval of this notice does not warracertify that the applicant holds legal or equitable title to those rights in the subject leads which would entitle the applicant to conduct operations thereon.	ant or ease	Utah Division of Utah Division of Wining	Federal Approval Of Thi Action Is Necessa				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for an States any false, fictitious or fraudulent statements or representations as to any matter.	persor	knowingly and willfully to make to	any department or agency of the Unite				

(Instructions on page 2)

MAY 2 2 2008

Initials:

Bill Barrett Corporation E-bill Do Not Mail-1099 18th St,ste 2300w Denver, Colorado 80202

Black Tail Ridge 14-29-36 Cedar Rim Field Duchesne County, Utah United States of America S:29 T:3S R:6W API/UWI 43013336430000

Cement Production Casing

Prepared for: Dominic Spencer

May 19, 2008 Version: 1

Submitted by: Jared Fenton Halliburton 1125 17th Street #1900 Denver, Colorado 80202 303.249.7704

HALLIBURTON

Job Information

Cement Production Casing

Well Name: Black Tail Ridge

Well #: 14-29-36

Surface Casing

0 - 3001 ft (MD) Outer Diameter 10.750 in 9.950 in Inner Diameter Linear Weight 45.500 lbm/ft

Casing Grade

K-55

Open Hole

3001 - 7129 ft (MD) 9.875 in Inner Diameter 25 %

Job Excess

Open Hole

7129 - 11047 ft (MD) 8.750 in Inner Diameter

Job Excess 25 %

Production Casing

0 - 11047 ft (MD) 5.500 in Outer Diameter Inner Diameter 4.892 in Linear Weight 17 lbm/ft Casing Grade P-110

Mud Type Mud Weight **BHST**

Water Based Mud 10.500 lbm/gal 180 degF

HALLIBURTON

Job Recommendation

Cement Production Casing

Fluid Instructions

Fluid 1: Water Spacer

5 bbl Water

Fluid Density:

8.330 lbm/gal

Fluid Volume:

5 bbl

Fluid 2: Reactive Spacer

Super Flush 101 XLC

Fluid Density:

10 lbm/gal

4.16667 gal/Mgal

LGC-35 CBM (Gelling Agent)

Fluid Volume:

40 bbl

1 lbm/bbl

Tuf Fiber 594 (Lost Circulation Additive)

Fluid 3: Water Spacer

5 bbl Water

Fluid Density:

8.330 lbm/gal

Fluid Volume:

5 bbl

Fluid 4: 10.5# CBM Lite (Type V)

VARICEM (TM) CEMENT

0.3 % SteelSeal (Additive Material)

1 lbm/sk Pheno Seal - Blend (Lost Circulation Additive) Total Mixing Fluid:

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) 1 lbm/sk Tuf Fiber 594 (Lost Circulation Additive)

Fluid Weight Slurry Yield:

4.312 ft³/sk 27.925 Gal/sk

10.500 lbm/gal

Top of Fluid: Calculated Fill: 3105 ft 470 ft

Volume: Calculated Sacks:

38.400 bbl 50 sks

Proposed Sacks:

50 sks

Fluid 5: Highbond 75

HALCEM (TM) SYSTEM

0.2 % HR-5 (Retarder)

0.25 lbm/sk Poly-E-Flake (Lost Circulation Additive) 5 lbm/sk Gilsonite (Lost Circulation Additive)

Fluid Weight Slurry Yield: 10.700 lbm/gal 2.917 ft³/sk

Total Mixing Fluid:

17.263 Gal/sk

Top of Fluid: 3575 ft Calculated Fill: 1625 ft

ated Fill: 1625 ft Volume: 132.729 bbl

Volume: 132.729 bbl ted Sacks: 255.474 sks

Calculated Sacks: Proposed Sacks:

260 sks

HALLIBURTON

0.2 % Super CBL (Expander) 0.2 % HR-5 (Retarder) $3.208 \text{ ft}^3/\text{sk}$ Slurry Yield: Total Mixing Fluid: Top of Fluid: 18.558 Gal/sk 5200 ft Calculated Fill: 5847 ft Volume: 377.893 bbl Calculated Sacks: 661.383 sks Proposed Sacks: 665 sks

Fluid 7: Water Based Spacer Clay Fix II

Fluid Density: 8.400 lbm/gal Clayfix II (Clay Control) Fluid Volume: 256.818 bbl 0.1 gal/bbl

TYPE OF SUBMISSION

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

5. Lease Serial No.

BIA-EDA-2OG0005608

UTE INDIAN TRIBE

REPORT, OR OTHER DATA

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE- Other instructions on reverse side.	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well ☐ ☐ ☐ ☐ ☐ Other	N/A

TYPE OF ACTION

Well Name and No. 2. Name of Operator Bill Barrett Corporation # 14-29-36 BTR 9. API Well No. 3a Address 43-013-33643 3b. Phone No. (include area code) 1099 18th Street, Suite 2300, Denver, CO 80202 303-312-8546 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) ALTAMONT

11. County or Parish, State 539' FSL, 2000' FWL SESW, Section 29, T3S, R6W

DUCHESNE COUNTY 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE,

Acidize Production (Start/Resume) Deepen Water Shut-Off Notice of Intent Alter Casing Fracture Treat Reclamation Well Integrity ✓ Subsequent Report Casing Repair Other Weekly Drilling New Construction Recomplete Change Plans Plug and Abandon Activity Temporarily Abandon Final Abandonment Notice Convert to Injection J Plug Back Water Disposal 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Weekly drilling activity report from 5/19/08 - 5/22/2008. Final Drilling Report.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1		
Reed Haddock	Title Permit A	nalyst	
Signature LOCA+GOODARK	Date	05/27/2008	
THIS SPACE FOR FEDERA	L OR STATE	OFFICE USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warracertify that the applicant holds legal or equitable title to those rights in the subject leads which would entitle the applicant to conduct operations thereon.	ease Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAY 3 0 2008

REGULATORY DRILLING SUMMARY



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/22/2008

Report #:

Depth At 06:00: 10341.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud: 19

Morning Operations: LDDP

_						
D	0	m	-	rl	S	

Time To Description

7:30 AM LDDP

12:00 AM

4:00 PM RU/Franks Weststates,held 15 min safety meeting w/rig crews.Ran

(237)jts 5.5" 17" P110 Production casing to 10,290'ft

7:00 PM Install circulating swedge & circulate out gas.

Land casing in hanger;RD/Franks Weststates Casing.Install 8:00 PM

Cementing head & circulate through 2"outlets on wellhead.

RU/Halliburton,hold 15 minute safety meeting w/rig crews.Pump 50 sx 10.5#Lead cement.Pump290sx10.7# Lead cement.Pump

565sx11.5# Tail cement.Drop plug & pump 237.7bbls

displacement.Plug down @ 00:00hrs.2000psi lift pressure.600psi

over. Test floats. Floats held. RD/Halliburton.

4:30 AM ND/BOP & clean mud tanks. Release rig @ 4:30am.

Bottom Hole Display

SESW-29-3S-6W-W30M

6:00 AM Rig down DSLTA:137

Safety Meetings:Running casing;Cementing

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067(57 hrs) 2033

FUEL:6097 gallons

USED:234 gallons

TOTAL FUEL USED:22,524 gallons

Daily water hauled:0 BBLS Total water hauled:16,600 BBLS

Acc: Man:

Ann:

Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 60 SEC

Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/21/2008

Report #: 21

Depth At 06:00: 10341.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Days From Spud: 18

Morning Operations: LDDP

Time To

3:30 PM

4:00 PM

Remarks:

DSLTA:136 Description

Logging w/ Baker Atlas-2nd run***Tool would not work in tandem

together. Took 5 hrs longer than anticipated due to two runs. *** Pull wear bushing

8:30 PM TIH-Break circulation @ 3200'ft,7100'ft.Wash 30'ft to bottom. No fill

11:30 PM Circulate out trip gas-6700 units on buster-20ft flare.

RU/Franks Weststates-Conduct 15 min safety meeting w rig 6:00 AM

crews.Flow check,pump dry job,LDDP.

Safety Meetings:

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067(57 hrs)

2033

FUEL:6331 gallons USED:756 gallons

TOTAL FUEL USED:22,920 gallons Daily water hauled:0 BBLS Total water hauled:16,600 BBLS

Acc:2700 Man:2700 Ann:775 Fluid:14"

BOP Drills: CREW #1 55 SPM 220 PSI CREW #2 60 SEC

REGULATORY DRILLING SUMMARY



Well: #14-29-36 BTR

Bottom Hole Display

SESW-29-3S-6W-W30M

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/20/2008

Report #: 20

Depth At 06:00: 10341.00

Estimated Total Depth: 11047.00

Surface Location: SESW-29-3S-6W-W30M

LD/Directional tools

POOH f/ Logs-Pull wear bushing

Bottom Hole Display

SESW-29-3S-6W-W30M

Dril f/ 9810'ft to 10152'ft-Rot 90% Sliding 10%

Drill f/ 10152'ft to 10315'ft-TD well

Pump sweep/Circulate hole clean

Flow check; Pump dry job; TOOH-SLM

runs.Approx. finish logging @ 13:00 hrs.***

Rig service

Spud Date: 5/3/2008

Days From Spud: 17

Description

TIH/Break circulation @ 3292'ft & 7000'ft-Reamed 80'ft to bottom

Circulate gas out & condition mud/Pump hi vis sweep. Mix dry job

RU/Baker Atlas to log well-Logs to bottom @ 1:30am. ***Logging

tool would not work in combination setup. Having to make 2 logging

POOH(SLM)Made 5'ft correction.TD was 10,341'ft

Morning Operations: Logging

Time To

7:30 AM

8:30 AM

9:00 AM

2:00 PM

6:00 PM

9:30 PM

6:00 AM

Remarks:

DSLTA:135

Safety Meetings: Pinch points; rigging up wireline loggers

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's (5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067(57 hrs)

FUEL:7087 gallons

USED:926 gallons

TOTAL FUEL USED:22,164 gallons Daily water hauled: 780 BBLS

Total water hauled:16,600 BBLS

Acc:2700 Man:2700 Ann:775

Fluid:14"

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 60 SEC

Well: #14-29-36 BTR

Phase/Area: Black Tail Ridge

API #/License

43-013-33643

Operations Date: 5/19/2008

Report #: 19

Depth At 06:00: 10315.00

Estimated Total Depth:

11047.00

Surface Location: SESW-29-3S-6W-W30M

Spud Date: 5/3/2008

Ria service

Days From Spud:

Description

Morning Operations: POOH

Time To

4:00 PM

4:30 PM

2:00 AM

6:00 AM

12:00 AM

Remarks:

DSLTA:134

Safety Meetings:Painting;Tripping

(320)JTS 4.5"XH "G-105" DP

(24) 6 1/2"DC's

(5)8" DC

(30)4.5" SWDP-Rental Thomas Oil Tools

Hunting MM: 6.75" .13rpg S/n:2067(57 hrs)

2033

FUEL:3307 gallons

USED:1323 gallons

TOTAL FUEL USED:22,164 gallons

Daily water hauled:0 BBLS Total water hauled: 15,820 BBLS

Acc:2700 Man:2700

Ann:775

BOP Drills:CREW #1 55 SPM 220 PSI CREW #2 60 SEC

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

Lease :	Serial	No.

BUREAU OF LAND MANAGEMENT			5. Lease Seri		
SUNDRY NOTICES AND REPORTS ON WELLS					DA-2OG0005608
Do not use this form for proposals to drill or to re-enter an				6. If India	n, Allottee or Tribe Name
abandoned well. Use Form 3160 - 3 (APD) for such proposals.				UTE I	IDIAN TRIBE
	IPLICATE- Other instr	uctions on reve	erse side.	7. If Unit o	r CA/Agreement, Name and/or No.
1. Type of Well Oil Well O	Gas Well Other Other			8. Well Na	
2. Name of Operator Bill Barrett	Corporation			9. API W	9-36 BTR ell No.
3a Address 1099 18th Street, Suite 2300, D	Denver, CO 80202	3b. Phone No. (inclu- 303-312-8546	de area code)		-33643 d Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)				MONT
539' FSL, 2000' FWL				11. County	or Parish, State
SESW, Section 29, T3S, R6W				DUCH	ESNE COUNTY
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NATU	JRE OF NOTICE,	REPORT, O	ROTHER DATA
TYPE OF SUBMISSION		T	YPE OF ACTION		
	Acidize	Deepen	Production (S	tart/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other Weekly Completion
Final Abandonment Notice	Change Plans	Plug and Abandon	_		Activity
I iliai Abandonineni Nonce	Convert to Injection	Plug Back	Water Disposa	1	
following completion of the in testing has been completed. Fi determined that the site is read	volved operations. If the operation nal Abandonment Notices shall be	results in a multiple cor filed only after all requi	npletion or recompletion	in a new interv	reports shall be filed within 30 days al, a Form 3160-4 shall be filed once en completed, and the operator has
14. I hereby certify that the fore	egoing is true and correct				
Name (Printed/Typed) Recd Haddock		Title	Permit Analyst		
Signature 1000	Haddoct	Date		06/23/2008	
	THIS SPACE FOR	FEDERAL OR	STATE OFFICI	USE	
Approved by			Title		Date
Conditions of approval, if any, are certify that the applicant holds legs which would entitle the applicant t	al or equitable title to those rights i		Office		
The state of the s	1				

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(Instructions on page 2)

(Instructions on page 2)

JUN 2 5 2008 DIV. OF OIL, GAS & MINING



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License	
SESW-29-3S-6W-W30M	43-013-33643	

Ops Date: 6/23/2008

Report #:

AFE #: 14512D

Summary: Clean out csg w/CT

End Time

Description

11:00 AM

R/U WFD Hi-Psi FB manf. & CTU

12:00 PM

6000 psi SIWHP, start flow back to tank

4:00 PM

WHP 2150 psi, RIH w/CT motor and 4.75" mill.

5:30 PM

Tagged solid @ 6445' CT depth, mill out obstruction in 20 minutes.

Cont. RIH

6:30 PM

Cont. drilling, tagged and milled thru @ 7350, 9120, & 10,100'. C/O

to 10,252' corrected CT depth, solid tag milled with very slow

9:30 PM

Pump sweeps, short trip 100', back to bottom, pump sweep, circ

out, start POOH w/CT, at surface.

11:59 PM

R/D CT & WFD equip, blow out reel, MOL. Job complete.

6:00 AM

Shut in well, need WH work before flowing back.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License	
SESW-29-3S-6W-W30M	43-013-33643	

Ops Date: 6/22/2008

Report #:

3

AFE #: 14512D

Summary: Frac stg 1, incomplete, Halliburton job

End Time

Description

Enter the description here

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/22/2008

Report #:

AFE #: 14512D

Summary:

End Time

Description

Enter the description here



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/21/2008

Report #:

AFE #: 14512D

Summary: R/U Hal Frac, Perf Stg 1

End Time

Description

9:00 AM

Prep to R/U for Frac

2:00 PM

R/U Hal frac equipment 75%

5:30 PM

RIH & perf stg 1 w/SLB E-line

6:00 AM

Shut in well, RDMO SLB WL, heat tnks

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

5.	5. Lease Serial No.		
	BIA-EDA-2OG0005608		
6.	If Indian, Allottee or Tribe Name		
	UTE INDIAN TRIBE		

					
SUBMIT IN TRI	PLICATE- Other instr	uctions on re	verse side.		CA/Agreement, Name and/or No.
1. Type of Well ☐ ☐ ☐ Gas Well ☐ ☐ Other			N/A 8. Well Nam		
2. Name of Operator Bill Barrett Corporation			# 14-29- 9. API Wel		
3a. Address	-	3b. Phone No. (in	clude area code)	9. AFI WE	
1099 18th Street, Suite 2300, De		303-312-8546	····	10. Field and	Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 7 539' FSL, 2000' FWL	., K., M., or Survey Description)				r Parish, State
SESW, Section 29, T3S, R6W		·		DUCHE	ESNE COUNTY
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NA	TURE OF NOTICE,	REPORT, OR	OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
Notice of Intent	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construct	Production (S Reclamation ion Recomplete	Start/Resume)	Water Shut-Off Well Integrity Other Weekly Completion
Subsequent Report	Change Plans	Plug and Aband	, ,	Abandon	Activity
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposa	ıl	
Attach the Bond under which the following completion of the invotesting has been completed. Find determined that the site is ready	e work will be performed or provided operations. If the operation ral Abandonment Notices shall be for final inspection.) report from 6/21/08 - 6/23/20	le the Bond No. on results in a multiple of iled only after all red	file with BLM/BIA. Requi completion or recompletion	ired subsequent re in a new interval,	a Form 3160-4 shall be filed once
Name (Printed/Typed) Keed/Haddock		Titl	e Permit Analyst		
Signature O	tadda L	Dat	e	06/23/2008	
	THIS SPACE FOR F	EDERAL OF	R STATE OFFICE	EUSE	
Americalle			Tidle	5	ate
Approved by Conditions of approval, if any, are at certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in		Office	Di	an.
Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudule	43 U.S.C. Section 1212, make it a statements or representations a	crime for any persons to any matter with	on knowingly and willfull in its jurisdiction.	y to make to any	department or agency of the United
(Instructions on page 2)					ULOCIA

(Instructions on page 2)

JUL 0 2 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/30/2008

Report #: 12

AFE #: 14512D

Summary: R/U SCHLUMBERGER TO DO A

CASED HOLE DYNAMIC TEST, DID A TOTAL OF 7 - TEST, ALL PLUGS

HELD.

End Time 6:00 AM

Description

R/U SCHLUMBERGER TO DO A CASED HOLE DYNAMIC TEST, 1st HOLE @ 8690' 3405# PLUG HELD, 2nd HOLE @ 8478' 4191# PLUG HELD, 3rd HOLE 8285' 3356# PLUG HELD, 4th HOLE @ 7973' DIDN'T GET DUE TO A CASING COLLAR, 5th HOLE 7805' 2305# PLUG HELD, 6th HOLE@ 7625' 2190# PLUG

HELD, 7th HOLE @ 7320' 3551# PLUG HELD, R/D

SCHLUMBERGER.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/29/2008

Report #: 11

AFE #: 14512D

Summary: R/U LONE WOLF WIRELINE AND SET

COMPOSITE BRIDGE PLUG @ 8835'.

End Time

Description

11:00 AM

R/U LONEWOLF WIRELINE TO SET COMPOSITE BRIDGE PLUG, RIH WITH B.P, SET PLUG @ 8835', POOH WITH WIRELINE, R/D LONE WOLF.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/28/2008

Report #: 10

AFE #: 14512D

Summary: FLOW TESTING WELL POST 4

STAGE FRAC WORK. RECOVERED

438 BBLS LAST 24 HOURS.

RECOVERED 1930 BBLS OUT OF 8006 PUMPED (23% LOAD

RECOVERY), 0 BBLS OIL. SLIGHT BLOW ON WELL AT 6AM (LESS THAN 50PSI FCP). SI WELL TO BUILD PRESSURÉ FOR 2 HOURS.

End Time 6:00 AM

FLOW BACK WELL

Description



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

9

Ops Date: 6/27/2008

Report #:

AFE #: 14512D

Summary: FLOWED BACK WELL, MADE 439 -

BBLS. OF WAAD TER IN 24/HRS., CASING HAD 100PSI, 36/64 CHOKE, SHUT IN WELL @ 06:00 A.M. TO

BLUID PRESSURE.

End Time

Description

Enter the description here

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/26/2008

Report #:

AFE #: 14512D

Summary: R.I.H. WITH CFP PLUG & PERF.

GUNS, TAGGED SAND @ 9240', SET PLUG @ 9230', PERF. STAGE 4 (LAST STAGE PRIOR TO TESTING PERIOD) FROM 8912' TO 9186'. 48 - HOLES.

FROM 8912' TO 9186', 48 - HOLES.
TEST LINES TO 10,000 PSI. PRE
FRAC FOR STAGE # 4 ISIP 2623 PSI (
F.G. 0.73) 33 HOLES OUT OF 48
HOLES OPEN. FRAC WELL AS
PROCEDURE, POST FRAC ISIP 2545
PSI (F.G. 72), 5 - MINUTES 2416 PSI,
10 MINUTES 2389 PSI, 15 - MINUTES

2372 PSI. R/U FLOW BACK CREW, OPENED WELL ON A 12/64 CHOKE, 50 BBLS. WATER/HOUR, 2400 PSI, CHOKED BACK WELL TO A 10/64 CHOKE DUE TO THE WELL MAKING ALOT OF SAND, FLOWED BACK A TOTAL OF 849 - BBLS. OF WATER,

750 PSI.

End Time

10:00 AM

d lime

R/U Schlumberger & Set plug @ 9230', perf. from 8912' to 9186' (

Description

48 - holes) for stage # 4

11:00 AM test lines to 10,000 p.s.i.

12:00 PM Pump Stage # 4:

Pre-Frac ISIP 1901psi (FG .62)

-Calculated holes open 19 out of 30 shot

Post-Frac ISIP 2920psi (FG .73)

5 Minute: 2243psi 10 Minute: 2056psi

15 Minute: 1973psi

Total fluid to recover from stage = 3003 Bbls w/o Acid

93900# 20/40 white sand Max Pressure: 3568 psi AVG Pressure: 3518 psi Max Rate: 59.4 BPM

Max Rate: 59.4 BPM AVG Rate: 58.9 BPM

Job as pumped: 75.9 Bbls 15% HCL 65.2 Bbls water spacer 386.6 Bbls CW Frac prepad 168.0 Bbls 5# Linear gel pad 72.5 Bbls Silverstem LT pad 221.3 Bbls .5ppg 20/40 white 443.8 Bbls .75# gal20/40 white 674.8 Bbls 1.5# gal 20/40 white 459.3 Bbls 1.5# gal 20/40 white 303.9 Bbls 2.0# gal 20/40 white

207.7 Bbls of Flush

6:00 AM R/U flow testing & OPENED WELL ON A 12/64 CHOKE, 50 BBLS.

WATER/HOUR, 2400 PSI, CHOKED BACK WELL TO A 10/64 CHOKE DUE TO THE WELL MAKING ALOT OF SAND,

FLOWED BACK A TOTAL OF 849 - BBLS. OF WATER, 750 PSI.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

7

Ops Date: 6/25/2008

Report #:

AFE #: 14512D

Summary: RU HALCO to frac stages 2 & 3. RU

SLB & set CFP @ 10,040', perf stage 2. Stage 2 (9,954'-9,980') frac'd w/ 1,379.8 bbls Silverstem LT 78,500# 20/40 white w/ 2% Expedite additive, 60 bbls 15% HCL, 554,331 SCF N2. Max pressure 4180, AVG pressure 3905, Max Rate

30.8, AVG Rate 30.6.

Set CFP @ 9,650'

Stage 3 (9,336'-9,593') frac'd w/ 1,086.5 bbls Silverstem LT 88,000# 20/40 white w/ 2% Expedite additive, 35.7 bbls 15% HCL, 493,240 SCF N2. Max pressure 3947, AVG pressure 3574, Max Rate 32, AVG Rate 28.6.

RU flowtesters & flow overnight. Recovered 299 Bbls of flluid, no oil. Flowing on a 6/64 choke @ 2100 psi initial opening to a 12/64 choke @ 2400psi at 6am.

End Time

9:00 AM

12:45 PM

2:15 PM

RD Flowtesters, RU HALCO.

Pressure test lines to 10,000psi

Pump Stage 2:

Pre-Frac ISIP 1901psi (FG .62)

-Calculated holes open 19 out of 30 shot

Post-Frac ISIP 2920psi (FG .73)

5 Minute: 2243psi 10 Minute: 2056psi 15 Minute: 1973psi

Total fluid to recover from stage = 1,379.8 Bbls w/o Acid

Description

78,500# 20/40 white sand Max Pressure: 4,180 psi AVG Pressure: 3,905 psi Max Rate: 30.8 BPM AVG Rate: 30.6 BPM

Job as pumped: 60.6 Bbls 15% HCL 45.6 Bbls water spacer 595 Bbls CW Frac prepad 168.3 Bbls 5# Linear gel pad

26.7 Bbls Silverstem LT pad 30.7 Bbls Silverstem LT 1ppg 20/40 white with 2% Expedite 89.3 Bbls Silverstem LT 2ppg 20/40 white with 2% Expedite 107.8 Bbls Silverstem LT 3ppg 20/40 white with 2% Expedite

22 Bbls Silve

11:00 AM

RU Schlumberger & perf stage 2: 9,954 -9,958' & 9,974 - 9,980' (30

total holes) @ 3 SPF.

4:00 PM

Perf Stage 3: 9336-9338,

9356-9358,9374-9376,9419-9421,9482-9484,9591-9593. 3 SPF 120 Degree phasing, 36 total Holes. All shots fired, no misruns.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/25/2008

Report #:

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Summary: RU HALCO to frac stages 2 & 3. RU

SLB & set CFP @ 10,040', perf stage 2. Stage 2 (9,954'-9,980') frac'd w/ 1,379.8 bbls Silverstem LT 78,500# 20/40 white w/ 2% Expedite additive, 60 bbls 15% HCL, 554,331 SCF N2. Max pressure 4180, AVG pressure 3905, Max Rate

30.8, AVG Rate 30.6. Set CFP @ 9,650'

Stage 3 (9,336'-9,593') frac'd w/ 1,086.5 bbls Silverstem LT 88,000# 20/40 white w/ 2% Expedite additive, 35.7 bbls 15% HCL, 493,240 SCF N2. Max pressure 3947, AVG pressure 3574, Max Rate 32, AVG Rate 28.6.

RU flowtesters & flow overnight. Recovered 299 Bbls of flluid, no oil. Flowing on a 6/64 choke @ 2100 psi initial opening to a 12/64 choke @

2400psi at 6am.

End Time

Description

5:00 PM Pump Stage 3:

> Pre-Frac ISIP 2,229 psi (FG .67) -Calculated holes open 25 out of 36 shot

Post-Frac ISIP 2,510psi (FG .70)

5 Minute: 2,171psi 10 Minute: 2,121psi 15 Minute: 2,106psi

Total fluid to recover from stage = 1,086.5 Bbls w/o Acid

88,000# 20/40 white sand Max Pressure: 3,947 psi AVG Pressure: 3,574 psi Max Rate: 32.0 BPM AVG Rate: 28.6 BPM

Job as pumped: 35.7 Bbls 15% HCL 59.5 Bbls water spacer 292.9 Bbls CW Frac prepad 166.7 Bbls 5# Linear gel pad 21.3 Bbls Silverstem LT pad

36.0 Bbls Silverstem LT 1ppg 20/40 white with 2% Expedite 101.9 Bbls Silverstem LT 2ppg 20/40 white with 2% Expedite 122.0 Bbls Silverstem LT 3ppg 20/40 white with 2% Expedite

6:00 AM

MIRU Flow testers to flow well overnight. Recovered 299 Bbis of flluid, no oil. Flowing on a 6/64 choke @ 2100 psi initial opening to

a 12/64 choke @ 2400psi at 6am.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/24/2008

Report #:

AFE #: 14512D

Summary: R/D Hi-psi flow back equip, R/U

standard FB pkg. Repair frac tree valve, Flow well back, SIWHP 1225 psi.

Flowed back 341 bbls of water, 50 psi on

15/64 choke when SI @ 0600.

End Time

2:30 PM

6:00 AM

Description

R/D manif & install stardard flow back equipment. Repair leaking

wing valve on frac tree.

Open well w/1225 psi SIWHP, start flowing back to tank on 10/64" choke. Gas head off in 1hr. Increase to 15/64" setting continue flowing gas cut water to tank. Shut in well, prep for frac job.

Report by Decision Dynamics Technology Ltd. Wellcore

Version 4.3.12

Page 4



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/23/2008

Report #:

AFE #: 14512D

Summary: Clean out csg w/CT. Tagged & milled

out 1st sand plug @ 6445', last one @ top of perfs. Circ'd out and R/D CTU.

End Time

Description

11:00 AM R/U WFD Hi-Psi FB manf. & CTU

12:00 PM 6000 psi SIWHP, start flow back to tank

4:00 PM WHP 2150 psi, RIH w/CT motor and 4.75" mill.

5:30 PM Tagged solid @ 6445' CT depth, mill out obstruction in 20 minutes.

Cont. RIH

6:30 PM Cont. drilling, tagged and milled thru @ 7350, 9120, & 10,100'. C/O

to 10,252' corrected CT depth, solid tag milled with very slow

Description

9:30 PM Pump sweeps, short trip 100', back to bottom, pump sweep, circ

out, start POOH w/CT, at surface.

11:59 PM R/D CT & WFD equip, blow out reel, MOL. Job complete.

6:00 AM Shut in well, need WH work before flowing back.

4:00 PM

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/22/2008

Report #:

AFE #: 14512D

Summary: Frac stg 1: w/ 9,400# 20/40 (left 5,600#

20/40 in wellbore), 38,200 gals water (4,800 gals was Silverstem LT

(crosslinked fluid); 23,800 was CW Frac (Reducer for Perm to water); 7,000 gals was 5# linear.), w/605K SCF N2. 2,500

gals 15% HCl. Initial rate of 30 BPM @ 3,500psi. Dropped rate to 10 BPM & brought on N2, pressure started to climb from 3,500psi to 4,500psi & stabilizing for 5 minutes. Sand to bottom in next 5 minutes with increased concentrations to 2ppg calculated BH Prop Conc.

Screened out job at this point with increase of pressure to 7,500 max, leaving 5,600# 20/40 in the wellbore. **End Time** 1:15 PM

RU HALCO for frac.

2:00 PM

Started pressure testing lines & encountered a leak at the

wellhead.

Version 4.3.12

2:45 PM

Pressure testing lines to 8,500 psi

3:15 PM

Start frac stage 1.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 200

7. If Unit or CA/Agreement, Name and/or No.

5.	Lease	Serial	No.

BIA-EDA-2OG0005608

6. If Indian, Allottee or Tribe Name

UTE	INDIAN	TRIBE

1. Type of Well Oil Well	Gas Well Other			N/A	
2. Name of Operator Bill Barrett Corporation		8. Well Name and No. # 14-29-36 BTR			
Bill Barrett (Corporation			9. API We	
3a Address 1099 18th Street, Suite 2300, D	enver. CO 80202	3b. Phone No. (include 303-312-8546	area code)	43-013-	d Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			ALTA		
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W			11. County or Parish, State DUCHESNE COUNTY		
12. CHECK A	PPROPRIATE BOX(ES) TO) INDICATE NATUR	E OF NOTICE, R	EPORT, OF	R OTHER DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION		
Notice of Intent ✓ Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (Sta Reclamation Recomplete Temporarily Ab	·	Water Shut-Off Well Integrity Other Weekly Completion Activity

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Weekly completion activity report from 6/30/08 - 7/8/2008.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Reed Haddock	Title Permit Analy	yst	====
Signature LON Haddock	Date	07/08/2008	_
THIS SPACE FOR FEDERAL	OR STATE O	FFICE USE	_
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject lea which would entitle the applicant to conduct operations thereon.	t or Ise Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

JUL 1 1 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
	43-013-33643

Ops Date: 7/4/2008

16 Report #:

AFE #: 14512D

Summary: Lone Wolf WL Set WFD WL set, Tbg retrievable BP @ 3000'. Remove Frac tree, install dbl stud flange & 5K x 7 1/16" master valve. All flow back

End Time 12:30 PM

4:00 PM

Description

manifold released & removed from loca.

Well shut in. SIWHP 120 psi. bled to 0 in 10 minutes on 16/64"

choke, gas back.

R/U Lone Wolf WL, RIH @ set WFD WL set x TBG retrievable BP @ 3000'. Tagged fluid at 250', very thick, slow for ~ 300' then broke thru. Set plug, POOH, R/D & off location. Negative test good on

7:00 PM

WFD R/D frac tree, install 7 1/16" 5K master vale. R/D Flow back

manifold. Take all equip off location.

6:00 AM

Well shut in.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/2/2008

Report #:

AFE #: 14512D

Summary	
---------	--

End Time 8:00 AM

8:30 AM

9:45 AM

10:15 AM

10:30 AM

10:45 AM

11:15 AM

11:30 AM 1:30 PM

Description

FINISHED RIGGING UP COIL TBG. SERVICE'S.

HELD SAFETY MEETING OPS., TEST LINES TO 4500# (GOOD TEST)

RIH WITH 4 3/4" MILL, JARS, AND COIL TBG., TAGGED 1st PLUG @ 8810', PUT 1800# ON CASING, DRILLED OUT 1st

PLUG @ 8810'.

WENT DOWN TO 2nd PLUG, TAGGED PLUG @ 9207', TBG.

PRESSURE IS 400#, ON A 24/64 CHOKE.

DRILLED OUT 2nd PLUG @ 9207', 400# ON TBG., 24/64 CHOKE

WENT DOWN TO THE 3rd PLUG, TAGGED 3rd PLUG @ 9626',

500# ON TBG., FULL OPEN CHOKE, NO SAND.

11:00 AM DRILLED OUT 3rd PLUG@ 9626', 500# ON TBG., OPEN

CHOKE, LITTLE SAND.

WENT DOWN TO 4th PLUG, TAGGED 4th PLUG @ 10015',

DRILLED OUT THE 4th PLUG @ 10015', 600# ON TBG., OPEN CHOKE, MEDIUM AMOUNT OF SAND WITH THE SAMPLES.

WENT DOWN TO (T.D.) @ 10252', STARTED NITROGEN @ 500 SCR, PUMPING WELL CLEAN @ 2.5 B.P.M., DIDN'T GET BACK MUCH SAND WITH BOTH BOTTOMS UP, 500# ON TBG.,

OPEN CHOKE.

2:30 PM POOH WITH COIL TBG. AND BHA.

R/D COIL TBG. SERVICE'S, TURN WELL OVER TO THE FLOW 4:00 PM

BACK PERSONAL WITH 0# ON WELL.

WELLCORE

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/1/2008

13 Report #:

AFE #: 14512D

Summary: R/U COIL TBG. SERVICE'S TO WELL,

R/U WEATHERFORD CHOKE

MANIFOLD AND LINES TO FLOW

BACK TANKS.

End Time 8:00 PM

Description

R/U COIL TBG. SEVICE'S TO WELL, R/U WEATHERFORD

CHOKE MANIFOLD AND LINES TO FLOW BACK TANK.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License	
SESW-29-3S-6W-W30M	43-013-33643	

Ops Date: 6/30/2008

Report #: 12

AFE #: 14512D

Summary: R/U SCHLUMBERGER TO DO A

CASED HOLE DYNAMIC TEST, DID A TOTAL OF 7 - TEST, ALL PLUGS

HELD.

End Time

6:00 AM

Description

R/U SCHLUMBERGER TO DO A CASED HOLE DYNAMIC TEST, 1st HOLE @ 8690' 3405# PLUG HELD, 2nd HOLE @ 8478' 4191# PLUG HELD, 3rd HOLE 8285' 3356# PLUG HELD, 4th HOLE @ 7973' DIDN'T GET DUE TO A CASING COLLAR, 5th HOLE 7805' 2305# PLUG HELD, 6th HOLE@ 7625' 2190# PLUG HELD, 7th HOLE @ 7320' 3551# PLUG HELD, R/D

SCHLUMBERGER.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 6/29/2008

Report #:

AFE #: 14512D

Summary: R/U LONE WOLF WIRELINE AND SET

COMPOSITE BRIDGE PLUG @ 8835'.

End Time 11:00 AM Description

R/U LONEWOLF WIRELINE TO SET COMPOSITE BRIDGE

PLUG, RIH WITH B.P, SET PLUG @ 8835', POOH WITH

WIRELINE, R/D LONE WOLF.

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS		5. Lease Serial			
			A-2OG0005608		
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.			Allottee or Tribe Name		
abandoned well. Use Form 3160-3 (APD) for such proposals.			UTE IN	DIAN TRIBE	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.		7. If Unit or N/A	CA/Agreement, Name and/or No.		
	Gas Well Other			8. Well Nam # 14-29-	
2. Name of Operator Bill Barrett (Corporation			9. API Wel	l No.
3a Address 1099 18th Street, Suite 2300, D	enver, CO 80202	3b. Phone No. (inclu 303-312-8546	de area code)	-	Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			ALTAM		
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W	-				r Parish, State SNE COUNTY
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NATU	JRE OF NOTICE, R	EPORT, OR	OTHER DATA
TYPE OF SUBMISSION		Т	YPE OF ACTION		
Notice of Intent ✓ Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	·		Water Shut-Off Well Integrity Other Weekly Completion
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Al Water Disposal		Activity
testing has been completed. Fi determined that the site is ready	nal Abandonment Notices shall be	filed only after all requi	rements, including reclan	nation, have been	, a Form 3160-4 shall be filed once a completed, and the operator has
14. I hereby certify that the fore	egoing is true and correct		· ·		
Name (Printed/Typed) Reed Haddock	,	Title	Permit Analyst		
Signature PO	Laddor K	Date		08/05/2008	
- Row - Control	THIS SPACE FOR	FEDERAL OR	STATE OFFICE	USE	
Americal			Title	l _r	Date Control of the C
Approved by Conditions of approval, if any, are certify that the applicant holds legs which would entitle the applicant	al or equitable title to those rights		Office		
Title 18 U.S.C. Section 1001 and Tit States any false, fictitious or fraudu	le 43 U.S.C. Section 1212, make it ilent statements or representations	a crime for any person s as to any matter withir	knowingly and willfully its jurisdiction.	to make to any	RECEIVED United

(Instructions on page 2)

AUG 0 7 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/1/2008

Report #: 27

AFE #: 14512D

Summary: N/U FRAC STACK, TESTED TO 9500

PSI, (GOOD TEST).

End Time

Description

9:30 AM

WAIT ON SPOOL FOR FRAC STACK.

12:00 PM

N/U FRAC STACK.

12:30 PM

TESTED FRAC STACK TO 9500 PSI, (GOOD TEST).

1:00 PM

R/D STACK TESTER'S

2:00 PM

R/D WORKOVER RIG AND MOVED TO THE B.T.R. # 5-23-36.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/31/2008

Report #:

26

AFE #: 14512D

Summary: LAYED DOWN 160 - JTS. OF TBG., S.D.F.N.

End Time

Description

8:00 AM

N/U HOTOILER AND HOT WATERED DOWN TBG. WITH 40

BBLS. OF WATER.

9:00 AM

N/D TBG. FLANGE, N/U BOP's, FLOOR AND TBG. TONGS.

10:30 AM

WAIT ON PIPE TRAILER.

1:30 PM

TRIP OUT OF THE HOLE LAYING DOWN 160 - JTS. OF TBG.

6:00 PM

WAIT ON FRAC VALVE'S, SHUT DOWN.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/30/2008

Report #:

AFE #: 14512D

Summary: SWABBED BACK 255 BBLS. OF

WATER AND 15 BBLS. OF OIL, WITH A LOT OF TAIL GAS, SHUT WELL IN,

SHUT DOWN.

End Time

Description

11:00 AM

RIH TO SWAB, FLUID LEVEL @ 1900', GETTING A 5% CUT ON

OIL, WITH A LITTLE GAS.

4:00 PM

FLUID LEVEL @ 2800', 5% CUT ON OIL, WITH A LOT OF GAS.

6:00 PM

FLUID LEVEL @ 2900', 5% CUT ON OIL, WITH A LOT OF GAS, SWABBED BACK 255 - BBLS. OF WATER, AND 15 - BBLS. OF

OIL, WITH A LOT OF GAS, SHUT WELL IN, SHUT DOWN.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/29/2008

Report #:

AFE #: 14512D

Summary: SWABBED BACK 194 - BBLS. OF

WATER AND 6 - BBLS. OF OIL, WITH

A LITTLE TAIL GAS, SHUT DOWN.

End Time 8:00 AM

Description

WELL HAD 0# PSI S.I.P., OPEN WELL, N/U HOTOILER AND

HOT WATERED DOWN CSG, 40 - BBLS. OF WATER.

RIH TO SWAB, FLUID LEVEL STAYING @ 2600', GETTING 5:30 PM

BACK A 3% CUT ON OIL AND A LITTLE GAS, SWABBED BACK 194 - BBLS. OF WATER AND 6 - BBLS. OF OIL, LEFT WELL

OPEN, SHUT DOWN.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/26/2008

Report #: 23

AFE #: 14512D

Summary: SWABBED BACK 160 BBLS. OF

WATER AND 5 BBLS. OFOIL AND

ALOT OF GAS, FLUID LEVEL

STAYING AROUND 2600', 3% CUT ON OIL, SHUT WELL IN, SHUT DOWN.

End Time

9:00 AM

Description

N/U TO SWAB, FLUID LEVEL STAYING @ 1500', SWABBING

BACK 3% OIL AND A LITTLE GAS.

OPERATER PUT A KINK IN THE SWAB LINE, (OPERATER

EROR).

11:00 AM 6:00 PM

SWAB ON WELL, FLUID LEVEL DROPPED DOWN TO 2600', GETTING BACK 3% CUT ON OIL, AND ALOT OF GAS,

SWABBED BACK 160 BBLS. OF WATER AND 5 BBLS. OF OIL,

SHUT WELL IN, SHUT DOWN.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/25/2008

Report #:

AFE #: 14512D

Summary: SWAB ON WELL, SWABBED BACK

320 BBLS. OF WATER AND 10 BBLS. OF OIL, 3% CUT ON OIL, WITH A

LITTLE GAS, LEFT WELL OPEN,

SHUT DOWN.

End Time

8:00 AM

Description

N/U HOTOILER AND HOT WATERED DOWN CSG. WITH 50 BBLS. OF WATER.

6:00 PM

RIH TO SWAB WELL, MADE 18 - SWAB RUNS WITH FLUID LEVEL STAYING AROUND 600' FROM SURFACE, FLUID LEVEL DROPPED TO 1000' FROM SURFACE, GETTING BACK AROUND 3% CUT ON OIL AND A LITTLE MORE GAS THEN

YESTERDAY, SWABBED BACK 320 BBLS. OF WATER AND 10 BBLS. OF OIL, LEFT WELL OPEN, SHUT DOWN.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/24/2008

Report #: 21

AFE #: 14512D

Summary: MIRU, N/U TO SWAB, COULDN'T GET PAST 300' DUE TO PARAFFIN, HOT WATERED DOWN CSG. WITH 50 -BBS. OF WATER, CONTINUED TO SWAB, WELL FLOWED A COUPLE OF TIME'S, FLUID LEVEL STAYING @ 2500', SWAB BACK 135 - BBLS. OF

WATER, WELL FLOWED BACK 40 -BBLS. OF WATER, RECOVERED A TOTAL OF 175 - BBLS, OF WATER, SHUT DOWN.

End Time

8:00 AM

MIRU, WORKOVER RIG.

9:00 AM

COULDN'T GET PAST 300' FROM SURFACE DUE TO PARAFFIN.

11:00 AM 12:00 PM 1:00 PM

WAIT ON HOTOILER AND VACUUM TRUCK. HOT WATERED DOWN CSG. WITH 50 - BBLS. OF WATER.

RIH TO SWAB, WELL BEGAN TO FLOW, FLOWED BACK 30

BBLS. OF WATER AND DIED. RIH TO SWAB, FLUID LEVEL STAYING AROUND 2500', GETTING BACK ALL WATER, SWAB BACK 60 - BBLS. OF

WATER, WELL BEGAN TO FLOW.

4:30 PM 6:00 PM

4:00 PM

WELL FLOWED BACK 15 - BBLS. OF WATER AND DIED.

RIH TO SWAB, FLUID LEVEL STAYING @ 2500', SWAB BACK 135 - BBLS. OF WATER, WELL FLOWED BACK 40 - BBLS. OF

Description

WATER, LEFT WELL OPEN TO BATTERY, SHUT DOWN.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/22/2008

Report #:

AFE #: 14512D

Summary: FINISHED RIH WITH TBG., HUNG OFF TBG, RIG DOWN AND MOVED TO

THE B.T.R. # 14-30-36.

End Time

Description

10:00 AM

RIH WITH 14 - MORE JTS. OF 2 7/8" TBG., HAVE A TOTAL OF 160 - JTS. OF TBG. IN WELL, E.O.T @ 5060.05', SEAT NIPPLE @ 5039.15', WAIT FOR ANOTHER TBG. HANGER, THE

HANGER THAT WAS HERE IS FOR 2 3/8" TBG.

11:00 AM

LAND TBG. HANGER, R/D RIG TONGS, FLOOR, AND BOP's

12:00 PM

R/D AND MOVED TO THE B.T.R. # 14-30-36.

Page 3



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/19/2008

Report #:

AFE #: 14512D

Summary: RIH WITH TBG. AND RETRIEVED 2 - 5 1/2" BRIDGE PLUGS, RIH WITH 1 - JT. OF TBG, 1 - 2 7/8" SEAT NIPPLE, AND 154 - JTS. OF TBG., RIG BROKE

DOWN, ELECTRICAL PROBLEM. UNABLE TO LOCATE A MECHANIC,

SHUT DOWN FOR THE DAY.

End Time

8:00 AM

9:00 AM

Description

P/U TBG, AND LATCHED ONTO BRIDGE PLUG @ 3006', PULLED PLUG LOOSE AND POOH WITH TBG., B.H.A., AND

BRIDGE PLUG, LAYED DOWN BRIDGE PLUG.

RIH WITH TBG. AND RETRIEVING TOOL, TAGGED 2nd PLUG @ 3400'.

PULLED BRIDGE PLUG LOOSE, POOH WITH TBG., BHA, AND 10:00 AM

BRIDGE PLUG, LAYED DOWN BRIDGE PLUG.

RIH WITH 1 - JT. OF TBG., 1 - 2 7/8" SEAT NIPPLE, AND 52 -11:00 AM

STDS. OF TBG.

P/U AND TALLY 50 - JTS. OF TBG., RIG BROKE DOWN, 12:30 PM

ELECTRICAL PROBLEM. S.D.F.N.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/18/2008

Report #:

AFE #: 14512D

Summary: UNABLE TO KILL WELL WITH HEAVIER FLUID, SET ANOTHER BRIDGE PLUG @ 3006', RIH WITH TBG. AND RETRIEVING TOOL, TBG. TONGS BROKE 2 - JTS. OFF BOTTOM, HOT WATERED DOWN TBG. TO MELT PARAFFIN, S.D.F.N.

End Time

8:00 AM

Description

WELL HAD 100# SHUT IN PRESSURE, OPEN WELL, BLED OFF PRESSURE, WELL STARTED FLOWING WITH 100% OIL.

N/U HOTOILER, PUMPED 110 - BBLS. OF 5% KCL WATER. 10:00 AM 11:30 AM

OPENED WELL, WELL FLOWED BACK 100 - BBLS. OF WATER, WELL STARTED FLOWING BACK 100% OIL.

PUMPED 20 - BBLS. OF WATER DOWN CASING, WELL 1:00 PM FLOWED BACK 20 - BBLS. OF WATER, WELL BEGAN TO

FLOW BACK OIL.

R/U LONE WOLF WIRELINE, RIH WITH BRIDGE PLUG, SET 3:30 PM PLUG @ 3006', POOH WITH WIRELINE.

RIH WITH TBG. AND SEAT NIPPLE, AND RETRIEVING TOOL, 6:00 PM TBG. TONGS BROKE, STILL NEED TO PICK UP 2 - MORE JTS.

TO LATCH ON TO THE BRIDGE PLUG.

N/U HOTOILER TO HOT WATER DOWN TBG. TO MELT 7:30 PM

PARAFFIN, S.D.F.N.

7:30 PM



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/17/2008

Report #: 17

AFE #: 14512D

Summary: SET DEAD MAN ANCHOR, FINISHED RIGGING UP, BRIDGE PLUG @ 3000' WAS LEAKING, UNABLE TO KILL

WELL WITH 310 - BBLS. OF WATER,

WILL KILL WELL WITH A HEAVIER FLUID TOMORROW MORNING.

End Time

8:00 AM

11:00 AM

INSTALLED 1 - DEAD MAN ANCHOR, FINISHED RIGGING UP WELL HAD 400#, BRIDGE PLUG LEAKING, KILLED WELL WITH

130 - BBLS. OF WATER.

4:00 PM

TRIED TO N/U BOP, WELL BEGAN TO FLOW, PUMPED 180 -BBLS. OF WATER DOWN CASING, STILL UNABLE TO KILL

Description

WELL,.S.D.F.N.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

API #/License Bottom Hole Display SESW-29-3S-6W-W30M 43-013-33643

Ops Date: 7/16/2008

Report #: 15

AFE #: 14512D

Summary: MIRU, COULDN'T FIND ALL THE

DEAD MAN ANCHORS, SHUT DOWN

FOR THE DAY.

End Time

3:30 PM

Description

MIRU, RIG UP SURFACE EQUIPMENT, COULDN'T FIND DEAD

MAN ANCHOR, SHUT DOWN FOR THE DAY.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 7/4/2008

Report #:

16

AFE #: 14512D

Summary: Lone Wolf WL Set WFD WL set, Tbg retrievable BP @ 3000'. Remove Frac

tree, install dbl stud flange & 5K x 7 1/16" master valve. All flow back manifold released & removed from loca. **End Time**

4:00 PM

12:30 PM

Well shut in. SIWHP 120 psi. bled to 0 in 10 minutes on 16/64"

choke, gas back.

R/U Lone Wolf WL, RIH @ set WFD WL set x TBG retrievable BP @ 3000'. Tagged fluid at 250', very thick, slow for ~ 300' then broke thru. Set plug, POOH, R/D & off location. Negative test good on

Description

7:00 PM

WFD R/D frac tree, install 7 1/16" 5K master vale. R/D Flow back

manifold. Take all equip off location.

6:00 AM

Well shut in.

Page 5

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

5.	Lease Serial	No.	

SUNDRY NOTICES AND F Do not use this form for proposal abandoned well. Use Form 3160-3	6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.		7. If Unit or CA/Agreement, Name and/or No. N/A
1. Type of Well Oil Well Gas Well Other	ar	8. Well Name and No.
2. Name of Operator Bill Barrett Corporation		# 14-29-36 BTR 9. API Well No.
3a Address 1099 18th Street, Suite 2300, Denver, CO 80202	3b. Phone No. (include area code) 303-312-8546	43-013-33643 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T, R, M, or Survey Description 539' FSL, 2000' FWL SESW, Section 29, T3S, R6W	on)	ALTAMONT 11. County or Parish, State DUCHESNE COUNTY
12. CHECK APPROPRIATE BOX(ES)	TO INDICATE NATURE OF NOT	ICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTI	
Notice of Intent Notice of Intent Atter Casing Casing Repair Change Plans Convert to Injection	Fracture Treat Reclam New Construction Recom Plug and Abandon Tempo	
13. Describe Proposed or Completed Operation (clearly state all p If the proposal is to deepen directionally or recomplete horizo Attach the Bond under which the work will be performed or p following completion of the involved operations. If the opera testing has been completed. Final Abandonment Notices shal determined that the site is ready for final inspection.) Weekly completion activity report from 8/1/08 - 8/18	ntally, give subsurface locations and measur provide the Bond No. on file with BLM/BIA tion results in a multiple completion or recor Il be filed only after all requirements, includi	ed and true vertical depths of all pertinent markers and zones. Required subsequent reports shall be filed within 30 days appletion in a new interval, a Form 3160-4 shall be filed once

14. I hereby certify that the foregoing is true and correct Name (Printed Typed) Beed Haddock	Title Permit Analy	st	
Signature LON Haddock	Date	08/18/2008	
THIS SPACE FOR FEDERAL	OR STATE O	FFICE USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lear which would entitle the applicant to conduct operations thereon.			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/17/2008

Report #:

AFE #: 14512D

Summary:

End Time

Description

Enter the description here

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/16/2008

Report #:

33

AFE #: 14512D

Summary:

End Time

Description

10:00 AM

well flowing on a 27 choke, @ 1050#,

2:00 PM

well flowing on 30 choke @ 825#, very gas cut trace of oil

6:00 PM

30 choke @ 680#,

6:00 PM

30 choke @ 480# 1452bbls water scince start up, 232bbls oil in

last 22hrs. slight sand.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/15/2008

Report #:

AFE #: 14512D

Summary: frac stage # 9, plug and perforate stage

10, frac stage #10, flow back well to

recover water.

End Time

Description

12:00 PM

wait on hallib. frac crew, 10 hrs rest rule.

1:00 PM

r.u. hallib. frac equip.

2:00 PM

stage #9 press test lines to 9500#, break down @ 2039# 6.3 bpm, max press 5040#, avg press 3789#, i.s.i.p. 1895#, 5min 1986#, 10min 1939#, 15min 1902#, initial fg. .068, final fg. .72

2:30 PM

r.d. hallib frac equip, r.u. wl.

4:00 PM

rih w/ plug and perf gun, set plug @7720', shoot perfs 7508' -

7652', pooh w/ gun.

hallib r.d. frac equip.

5:00 PM

r.d. wl, r.u. hallib frac equip.

6:00 PM

bpm, max press 5727#, avg press 4127#, max rate 67.1bpm, avg rate 64.4bpm, i.s.i.p. 1144#, 5min 2007#, 10min 1872#, 15min

1759#, initial fg. .58, final fg. .76

8:00 PM

5:00 AM

sip 700#, open on 18 choke. 9:30pm well press @ 0# 60bbls

recovered , shut well in and open @ 12am on 20 choke press @ 20# unloading water, pressure build to 800# unloading water and

6:00 AM

flowing 1050# on 27 choke, 407 flowed back.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/14/2008

Report #: 31

AFE #: 14512D

Summary: perforate and frac stages # 7, and 8, perforate # 9, shut well in for night,
-

End Time	Description
8:30 AM	hallib. frac crew r.u. and wait on schlum. wire line crew.
9:30 AM	schlum. wire line crew r.u. equip,
10:45 AM	stage #7 rih w/ comp. frac plug and guns, stack out on sand @ 8050' pooh with gun.
11:30 AM	open well on 3/4" choke unload 227bbls and a slug of sand. flow back 500bbls.
12:30 PM	r.u. hallib. pump equip. test lines to 5000#, flush w/ 197 bbls 2bbl over flush, max pressure @ 3297#,
1:00 PM	stage #7 r.d. hallib. lines off well head.r.u. wire line equip.
2:30 PM	rih w/ plug and perf gun, set plug @ 8380', shoot perfs 8195'- 8332' pooh w/ gun.
3:00 PM	r.d. wire line, r.u. hallib. frac equip.
4:00 PM	frac wasatch 8195'- 8332', break down @ 2815# @ 9.3bbls per min, max pressure 6572#, avg press 4865# max rate 59.9bpm initial fg67, final fg75, isip 1989#, 5min 2274#, 10min 2195#, 15min 2128#
4:30 PM	r.d. frac equip, r.u. wire line equip.
5:45 PM	stage #8 rih w/ plug and perf gun, set plug @ 8130' gun failure will not fire pooh w/ gun.
6:30 PM	repair gun, wire in gun cut when setting the plug.fixed and ready.
7:45 PM	stage #8, rih w/ gun shoot perfs @ 7916' - 8080'.
8:00 PM	r.d. w.l. r.u. hallib. frac.
9:00 PM	frac stage #8 break down @ 4487#, @ 8.8 bpm, max psi 5575#, avg psi 4097, max rate 60.5 bpm, avg rate 59.3bpm, isip 1697#, 5min 2333#, 10min 2256#, 15min 2198#, initial fg .65, final fg .75,
11:00 PM	r.d. hallib, r.u. wl to plug and perf stage #9, set plug @7860', shoot perfs @ 7768' - 7804', poh /w gun.check gun to make sure shots fired.
6:00 AM	shut well in for night.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

30

Ops Date: 8/13/2008

Report #:

AFE #: 14512D

Summary: fraced stage #5, perffed and plugged stage #6, fraced stage #6 with problems on gel crosslink, problems with wireline. didnt get plugged and perferated shut down and start in the morning.

End Time 8:15 AM

Description Halliburton r.u. frac equip. pressure test lines to 9400#, pre job

safety meeting.

9:30 AM

fracture wasatch stage #5 perfs 8696'-8762' break down @ 3219# @11.4 bbls per min. max pressure 6603#, avg pressure 4249#, avg rate 49.7 bpm, isip 2128# 5min 2316#, 10min 2258#, 15min

2242# initial frac grad. .68, final frac grad. .72

11:00 AM

r.d. halliburton frac equip from well head. r.u. wireline equip.

12:30 PM

rih with flow trough comp. plug and perf gun. set plug @ 8560'

shoot perfs @ 8416'-8506'

2:00 PM

r.u. hallib. frac equip. and test lines to 10,000#, test and hold no

leaks.

3:00 PM

formation break down @ 3712# @ 4.4bbls per min. tail end of stage #8 of frac lost hydration on pumps, not enough force from water tanks to keep pumps primed. lost the gel crosslink, went to

flush w/ 195bbls.

5:00 PM

shut down tranfer water, running low on fluid due to flush on

crosslink failure, design new stimulation to finish frac.

6:00 PM

finish frac started @ 2# sand and maxed sand @ 4#, had to slow down pump rate due to losing prime again, - initial break down @ 3712# @ 4.4bbls per min, max press @ 6833#, avg pressure @ 5874#, max rate @ 70.5bbls per min, avg rate @ 57.4, isip @ 2420, 5 min 2994#, 10min 2974#, 15min 2958#, initial frac grad.

.072, final frac grad. .82.

8:00 PM

r.u. wire line rih, switches not reading pooh with gun and plug,

change out collar locator shut down for night.

6:00 AM

shut well in for night.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/12/2008

Report #: 29

AFE #: 14512D

Summary: HALLIBURTON R.U. TO FRAC # 5, 6,

7, 8, 9, 10, EQUIP. FAILURE SHUT

DOWN FOR THE NIGHT.

End Time

1:00 PM

Description

2:00 PM

R/U HALLIBURTON TO FRAC STAGES #5, 6, 7, 8, 9, 10

HALLIBURTON HAD EQUIP, PROBLEMS, FRAC

DELAYED.SHUT DOWN FOR NIGHT.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/6/2008

Report #: 28

AFE #: 14512D

Summary : SET BRIDGE PLUG @ 9935', SET COM. PLUG @ 8890', PERFORATED FOR STAGE # 5 FROM 8596' TO 8760',

30 - HOLES.

End Time 1:30 PM

R/U SCHLUMBERGER AND RIH WITH GAUGE RING TO 9975',

POOH WITH GAUGE RING.

RIH WITH BRIDGE PLUG ON WIRELINE, SET BRIDGE PLUG @ 2:30 PM

9935', POOH WITH WIRELINE.

4:30 PM

WELL HAS 0# PSI SICP, OPENED WELL, RIH WITH SLB WL TO

SET CBP AND TO PERF STAGE # 5, SET CBP @ 8890'

PERFORATE AS FOLLOWS: 8756' - 8762' 18 - SHOTS 8734' - 8736' 6 - SHOTS

8696' - 8698' 6 - SHOTS

30 - TOTAL SHOTS, NO PRESSURE CHANGE AFTER

PERFORATING

POOH WITH WIRELINE AND GUNS

R R/D SCHLUMBERGER.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/1/2008

Report #: 27

AFE #: 14512D

Summary: N/U FRAC STACK, TESTED TO 9500

PSI, (GOOD TEST).

End Time

Description

9:30 AM

WAIT ON SPOOL FOR FRAC STACK.

12:00 PM

12:30 PM

N/U FRAC STACK.

TESTED FRAC STACK TO 9500 PSI, (GOOD TEST).

1:00 PM

R/D STACK TESTER'S

2:00 PM

R/D WORKOVER RIG AND MOVED TO THE B.T.R. # 5-23-36.



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED
OM B No. 1004-0137
Expires: March 31 2007

5.]	Lease	Serial	No.	

BIA-EDA-2OG0005608

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160 - 3 (APD) for such proposals.			an, Allottee or Tribe Name NDIAN TRIBE		
SUBMIT IN TRIPLICATE- Other instructions on reverse side.		7. If Unit	or CA/Agreement, Name and/or No.		
1. Type of Well ☐ ☐ ☐ ☐ Gas Well ☐ ☐ Other		8. Well N	ame and No.		
2. Name of Operator Bill Barrett (Corporation		•	9. API W	9-36 BTR
3a Address 1099 18th Street, Suite 2300, D	. ,	3b. Phone No. (incl 303-312-8546	ude area code)	43-01:	3-33643
4. Location of Well (Footage, Sec., 1		303-312-8340			and Pool, or Exploratory Area
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W	., x., w., or survey Description	•		11. County	y or Parish, State HESNE COUNTY
12. CHECK AI	PROPRIATE BOX(ES) TO	INDICATE NAT	URE OF NOTICE,	REPORT, O	R OTHER DATA
TYPE OF SUBMISSION		Т	YPE OF ACTION		
If the proposal is to deepen dire Attach the Bond under which the	ctionally or recomplete horizontally as work will be performed or provide	y, give subsurface loca de the Bond No. on fil	Temporarily A Water Disposa estimated starting date of tions and measured and the with BLM/BIA. Requirements of the with BLM/BIA. Requirements of the with BLM/BIA.	Abandon Il any proposed w rue vertical dep ired subsequent	Water Shut-Off Well Integrity Other Weekly Completion Activity work and approximate duration thereof. ths of all pertinent markers and zones. reports shall be filed within 30 days val, a Form 3160-4 shall be filed once
determined that the site is ready			irements, including reclar	mation, have be	een completed, and the operator has
					r E
14. I hereby certify that the fore	going is true and correct				
Name (Printed/Typed) Reed Haddock	going is true and correct	Title	Permit Analyst		
Signature DO	Haddock	Date		08/25/2008	
	THIS SPACE FOR I	EDERAL OR	STATE OFFICE	EUSE	
			Third		D. (
Approved by Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in		Office		Date
Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudul	: 43 U.S.C. Section 1212, make it a ent statements or representations	crime for any person as to anymatter within	knowingly and willfully its jurisdiction.	y to make to ar	ny department or agency of the United

(Instructions on page 2)

RECEIVED

AUG 27 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/25/2008

Report #:

42

AFE #: 14512D

Summary: 3:00 AM open well on 18/64 choke

started to lose pressure no fluid, open choke to a 40/64 and unloaded oil @ 43

BBLS of oil recovered.

End Time 6:00 AM

Description

well flowing on a 48/64 choke @ 40 PSI, oil flowing back @ 5 AM water started to unload, having to stay on choke and adjust to keep well flowing, opened well on a 18/64 choke @ 3:30 AM and started to lose pressure, opened choke wide open, started to unload fluid.

Description

24 HRS 43 BBLS oil recovered.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/24/2008

Report #:

AFE #: 14512D

Summary: wait on nitrogen trucks, RIH w/ coil TBG tag plug # 6 @ 8890' drill out and

continue to plug # 7 @ 9935' and drill out continue to RIH tag @ 10220', pump a 30 BBL sweep and POOH w/ coil TBG unit. leave well flowing to flow tank, flow testers, flowed back nitrogen and water on a 46/64 choke, pinched back to 10/64 choke, well died @ 2:00 AM, shut in and

try to build pressure,

End Time 9:00 AM

wait on nitrogen truck.

12:00 PM trucks show up get spotted in and loaded up. RIH w/ motor, jars, and 4 3/4" mill, lose circulation 3000' stop get back circulation,

tag plug #6 @ 8890', drill out plug, getting heavy trace of sand 3:00 PM

after plug was drilled out. continue in hole to next plug.

3:30 PM RIH tag bottom @ 10220' pump a 30 BBL sweep.

6:00 PM POOH w/ coil TBG.

RD trucks and move off location, leave unit standing, SDFN, leave 7:00 PM

well to flow testers,

6:00 AM leave well flowing on a 46/64 choke to th flow back tank, well died

@ 2:00 AM, shut well in @ 4:00 AM to build pressure.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/23/2008

Report #:

AFE #: 14512D

Summary: coil TBG unit MIRU, having troubles,
RIH, to plug #1 @ 7720' lose circulation
pull up hole to 4700' and catch
circulation, RIH to plug and lose
circulation, kick up pitrogen and nump (

nitrogen, POOH.

lation, kick up nitrogen and pump 20 MIN and POOH to 4000' catch circulation and let clean out heavy fluid, RIH to plug and drill out, tag plug # 2 @ 7860', drill out and continue to plug # 3 @ 8130', drill out and continue to plug # 4 @ 8380' drill out and continue to plug # 5 @ 8560', drill out and continue to plug #6 @ 8890', drill on plug, run short on

End Time

Description

8:00 AM wait on coil TBG unit. 1:00 PM

CTS MIRU unit, weatherford tools didnt test and hold pressure had to re-head tool, tested tool, PU and MU motor and 4 3/4" mill. had to ND CTBG unit BOP stack to run tool, pressure test stack to

8500 PSI, test and hold no leaks.

3:00 PM RIH w/ coil TBG, tag plug @ 7720' no sand.

3:30 PM start to drill and lose circulation.

7:45 PM POOH to 4000', catch circulation, RIH and lose circulation, RIH past perfs, kick up nitrogen for 20 MIN POOH to 4000' catch

circulation let circulate off heavy fluids, water/oil. RIH.

RIH tag plug #1 @ 7720' 8:30 PM

9:05 PM drill out plug and continue to next plug.

10:00 PM tag plug # 2 @ 7860', and drill out and continue to the next no sand

12:00 AM tag plug # 3 @ 8130', 2 HR drill out, continue to the next plug.

2:30 AM tag plug #4 @ 8380', 2 1/2 HR drill out, continue to the next plug. (not drilling through sand but getting sand on returns)

3:30 AM tag plug # 5 @ 8560', drill out and cotinue to next plug.

tag plug #6 @ 8890', running low on nitrogen. 4:00 AM

POOH w/ coil TBG. 6:00 AM

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/22/2008

Report #:

39

AFE #: 14512D

Summary: flow back water fraced, 209 BBLS oil, 657 BBLS water, 160 PSI on a 25/64

choke.

End Time

6:00 AM

Description

flow back water fraced, 209 BBLS oil, 657 BBLS water, 160 PSI on

a 25/64 choke.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/21/2008

Report #:

AFE #: 14512D

Summary : well flowing on a 25/64 choke @ 200#, made 205 BBLS oil, 745 BBLS water.

End Time

Description

6:00 AM

flowing on a 25/64 choke @ 200#, made 205 BBLS of oil, 745

BBLS of water.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/20/2008

Report #:

AFE #: 14512D

Summary: flow back after frac, 193 BBLS oil, 754

BBLS water on a 25 choke @ 210 PSI.

End Time

6:00 AM

Description

flow back well on a 25/64 choke, 193BBLS oil, 754 BBLS water, @

210 PSI.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/19/2008

Report #: 36

AFE #: 14512D

Summary: flow back well, 407 BBLS oil, 739 BBLS

water, 290 PSI on 25/64 choke.

End Time

Description

6:00 AM

a 25/64 choke @ 360 PSI.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/18/2008

Report #: 35

AFE #: 14512D

Summary : flowing well back on a 25 choke @ 375 PSI, 100 bbls oil, 689 bbls water.

End Time

Description

6:00 AM

flowing on 25 choke @ 375 PSI, 689 bbls water, 100 bbls oil.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NINDRY NOTICES AND DEPORTS ON WELL

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

I 0!-13I-	
Lease Serial No.	
Locuse Soliui 110.	

SUNDRY	NOTICES AND REF	PORTS ON WELLS		BIA-EDA-2OG0005608
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160 - 3 (APD) for such proposals.		6. If Indian, Allottee or Tribe Name		
		UTE INDIAN TRIBE		
	PLICATE- Other instr	ructions on reverse s	side.	7. If Unit or CA/Agreement, Name and/or No. N/A
1. Type of Well ✓ Oil Well □ □	Gas Well□□ Other			8. Well Name and No.
2. Name of Operator Bill Barrett C	Corporation			# 14-29-36 BTR 9. API Well No.
3a Address 1099 18th Street, Suite 2300, Do	enver, CO 80202	3b. Phone No. <i>(include area</i> 303-312-8546	code)	43-013-33643 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 7		<u> </u>		ALTAMONT
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W		·		11. County or Parish, State DUCHESNE COUNTY
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NATURE O	F NOTICE, RI	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE O	F ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction Plug and Abandon	Production (Star Reclamation Recomplete Temporarily Aba	Well Integrity ✓ Other First Sales
	Convert to Injection	Plug Back	Water Disposal	
If the proposal is to deepen direct Attach the Bond under which the following completion of the invitesting has been completed. Find determined that the site is ready PLEASE BE ADVISED TO	ctionally or recomplete horizontally in work will be performed or provious olved operations. If the operation all Abandonment Notices shall be for final inspection.) HIS WELL HAD FIRST SAL	y, give subsurface locations and de the Bond No. on file with Bl results in a multiple completion filed only after all requirements,	measured and true LM/BIA. Require or recompletion in	y proposed work and approximate duration thereof. evertical depths of all pertinent markers and zones, d subsequent reports shall be filed within 30 days a new interval, a Form 3160-4 shall be filed once ation, have been completed, and the operator has
14. I hereby certify that the foreg Name (Printed/Typed)	going is true and correct	1		
Reed Haddock	1/2/10/-1/	Title Permit		
Signature J	HAAAAOCK	Date		8/27/2008
•	TUIC CDACE FOR	TATO ON INDED	TE OFFICE	Hee

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Date

Office

Title

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

SEP 0 2 2008

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

J.	Deade Deriai 140.
	BIA-EDA-2OG0005608

F. Longo Comiol Mo

If Indian Allottee or Tribe Name

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160 - 3 (APD) for such proposals.		UTE INDIAN TRIBE	
SUBMIT IN TRIPLICATE- Other instructions on reverse side. 1. Type of Well Oil Well Gas Well Other		7. If Unit or CA/Agreement, Name and/or No. N/A 8. Well Name and No.	
Ba Address 1099 18th Street, Suite 2300, Denver, CO 80202	3b. Phone No. (include area code) 303-312-8546	43-013-33643 10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T., R., M., or Survey De.	scription)	ALTAMONT 11. County or Parish, State	
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W		DUCHESNE COUNTY	
12. CHECK APPROPRIATE BOX	K(ES) TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION	í	
Attach the Bond under which the work will be perform following completion of the involved operations. If the	Fracture Treat New Construction Plug and Abandon Temporarily ate all pertinent details, including estimated starting date chorizontally, give subsurface locations and measured an aned or provide the Bond No. on file with BLM/BIA. Re	e Weekly Completion y Abandon oosal e of any proposed work and approximate duration thereof and true vertical depths of all pertinent markers and zones. equired subsequent reports shall be filed within 30 days stion in a new interval, a Form 3160-4 shall be filed once	
Weekly completion activity report from 8/25/0	78 - 9/3/2008.	A	

Title Permit Analyst 09/03/2008 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Date Title Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease Office which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. RECEIVED

(Instructions on page 2)

Name (Printed/Typed)

14. I hereby certify that the foregoing is true and correct

SEP 08 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 9/3/2008

48 Report #:

AFE #: 14512D

Summary: 1550 PSI CSG, 1200 PSI TBG, bleed TBG and bleed CSG down to 300 PSI, pump 30 BBLS down TBG to kill, TIH w/ TBG to retrieve plug @ 9610', tag sand @ 9590', try to circulate reversed down CSG return up TBG, pump 125 BBLS and try to move TBG up and down to make sure TBG is free, cannot move TBG up hole only down, RU TBG swivel and iar TBG free, TOH w/ TBG, LD packer, PU & MU plug and packer, TIH above top perf, EOT @ 7490' SDFN.

End Time

9:00 AM

11:00 AM

Description 1550 PSI on CSG, 1200 PSI on TBG, bleed TBG to flow back tank,

bleed CSG to 200 PSI, pump 30 BBLS down TBG to kill, TIH w/ TBG to retrieve plug @ 9610', tag sand @ 9590' 20' of sand on

pump reversed down CSG return up TBG to clean off sand on plug, try to move TBG up and down to make sure packer is not stuck, cant move TBG up only go down, RU TBG swivel and jar

1:30 PM

TOH w/ TBG to much sand falling on the packer, LD packer.

5:00 PM

PU & MU HAL plug and packer, TIH on TBG. leave EOT @ 7490'

above top perf.

SDFN 6:00 AM

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/30/2008

47 Report #:

AFE #: 14512D

Summary: bleed pressures, 100 PSI TBG, 1200 PSI CSG, make 2 runs IFL @ 4400'. unset packer TIH retrieve plug and set @ 9610' set packer @9278, swab test 10 runs, 69 BBLS recovered, gas cut 25% oil cut, ending fluid @ 8100' 3 1/2 HRS swab test, unset packer TIH to 9400' and set, swab test IFL @ 2900' make 8 runs 41 BBLS recovered, very gas cut, ending fluid level @ 7500', unset packer TOH above top perf, shut well in for the weekend.

End Time

8:30 AM equipment, IFL @ 4400' Description

bleed pressures, 100 PSI on TBG, 1200 PSI on CSG, RU swab equipment, IFL @ 4400' , make 2 swab runs 15 BBLS recovered, slight trace of oil, water tested @ PH -7.16, CLORIDE -

8300, CALCIÚM - 244.

11:00 AM

pump 30 BBLS down TBG, equalize fluid, unset packer, TIH and retrieve plug, unset RBP, set RBP @ 9610' and set packer @

3:00 PM

RU swab equipment, IFL @ 1800', run # 4 fluid @ 5300', CSG pressure @ 400 PSI, run # 6 fluid level @ 7000' CSG pressure @ 540 PSI, made 10 runs ending fluid level @ 8100' pulled from PSN

@ 9246' 69 BBLS recovered,

4:00 PM

6:30 PM

pump 30 BBLS down TBG unset packer and TIH to 9400' and set.

RU swab equipment,

5:30 PM

IFL @ 2900', very gas cut 5% oil cut, make 8 runs ending fluid level @ 7500' 41 BBLS recovered, very gas cut,

pump 30 BBLS down TBG TOH above top perf and shut well in for

6:00 AM

weekend. SDFN.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/29/2008

46 Report #:

AFE #: 14512D

Summary: bleed TBG pressure, RU pump kill TBG w/ 40 BBLS TIH w/ TBG, set RBP @ 10000' and set PKR @ 9890', RU swab equip, IFL @ 800' 0 PSI CSG, run # 5 fluid level #2900' CSG 160 PSI, very gas cut small trace of oil, run # 11 fluid level @ 6300' CSG @ 430 PSI, 11 runs total, recovered 76 BBLS caught a sample on the last run for testing, small trace of oil through swab test.

End Time

7:00 AM

10:00 AM

10:30 AM

1:30 PM 2:30 PM

5:30 PM

AM.

RU swab equip. run # 1 IFL @ 800' 0 CSG PSI top oil and water swabbed back, run # 5 fluid level @ 2900' CSG pressure @ 160 PSI, run #11 last run EFL 6300', CSG @ 430 PSI, small trace of oil through swab test, very gas cut, catch sample on last run to get tested. SWIFN SDFN.

set 5 1/2" retrievable plug @ 10,000', set packer @ 9890'.

Description

TBG pressure @ 600 PSI, RU rig pump and kill TBG w/ 40 BBLS

wait on truck to move pipe, truck was supposed to be here @ 10

truck showed up, spot in TBG float, finish TIH w/ TBG and BHA.

shut down.

PU TBG off TBG float.

6:00 AM

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/28/2008

45 Report #:

AFE #: 14512D

Summary: RD rig and equip, move from # 14-30-36 to # 14-29-30, MIRU, spot in equip, kill well w/ 50 BBLS w/ hot oiler, ND frac stack, NU BOP, PU and MU plug and packer RIH on 173 JTS EOT @ 5079' rig SDFN, leave well to flow testers on 9/64 choke to build pressure, shut well in 2 HRS 150 PSI built open on 18/64 choke and just bled off, SWIFN

End Time

9:00 AM 1:00 PM

5:30 PM 6:00 PM

Description RD rig and equip, rig move from location # 14-30-36 to # 14-29-36.

MIRU rig and equip, spot in rig tank and pump top kill well w/ 50BBLS water, ND frac stack, NU BOP, wait on TBG.

PU and MU nabors oil tools plug and packer, TIH on 90 JTS TBG start to flow, pump 40 BBLS down TBG, TIH w/ TBG. rig SDFN, turn well over to flow testers, 173 JTS in hole EOT @

6:00 AM

leave well on a 9/64 choke to try and build pressure, 9 PM 0 PSI and no flow shut in to build pressure, 12 AM 150 PSI, open on 18/64 choke pressure bled off to 0, SWIFN.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 8/27/2008

Report #:

AFE #: 14512D

Summary: 6-7 AM no fluid recovered 0 PSI, started

to unload fluid @ 8 AM, pressure built to 100 PSI ON 48/64 choke, 1 PM 48/64 choke @ 100 PSI AVG +/- 80 - 100

BPHR i tried to choke back flow to a 30/64 choke to build pressure and only lost flow and decrease in pressure, opened back to 48/64 choke, and flowed

steady, 5 AM 48/64 choke @ 160 PSI, 330 BBLS oil, 1041 BBLS water getting more gas cut.

End Time

8:00 AM

1:00 PM

from 6 - 7 AM well didnt flow 0 PSI, @ 8 AM flowed back 15 BBLS @ 100 PSI on 48/64 choke.

Description

48/64 choke @ 100 PSI, AVG 75 - 80 BBLS an HR, i tried to choke down to build pressure i lost flow and pressure, a 48/64 choke

seemed to be the happy medium to flow.

6:00 AM

5 am 48/64 choke @ 160 PSI, 330 BBLS oil, 1041 BBLS water,

very gas cut.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display API #/License 43-013-33643 SESW-29-3S-6W-W30M

Ops Date: 8/26/2008

Report #:

AFE #: 14512D

Summary: well was flowing off and on, not staying

consistant, flow hands were having to adjust the choke to help unload water, well died 2:00 pm, shut well in to build pressure to 500 PSI, 10:00 PM open well on 18/64 choke flowing back but still having to adjust choke to maintain flow. 5:00 AM to 5:00 AM 35 BBLS oil, 288

BBLS water.

End Time

6:00 AM

Description

well flowing off and on, had to adjust choke to maintain a steady flow, well died shut in to build 500 PSI. 10:00 PM open well on 18 choke, well flowing but still have to adjust the choke to maintain a

flow. 35 BBLS oil, 288 BBLS water.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display API #/License SESW-29-3S-6W-W30M 43-013-33643

Ops Date: 8/25/2008

Report #:

42

AFE #: 14512D

Summary: 3:00 AM open well on 18/64 choke

started to lose pressure no fluid, open

choke to a 40/64 and unloaded oil @ 43

BBLS of oil recovered.

End Time

6:00 AM

Description

well flowing on a 48/64 choke @ 40 PSI, oil flowing back @ 5 AM water started to unload, having to stay on choke and adjust to keep well flowing, opened well on a 18/64 choke @ 3:30 AM and started to lose pressure, opened choke wide open, started to unload fluid.

24 HRS 43 BBLS oil recovered.

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

Lease Serial No.

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DIA	-EDA	-217	LYUUR	เวดบ

6. If Indian, Allottee or Tribe Name

UTE INDIAN TRIBE	
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Type of Well Gold Go	SUBMIT IN TRIF	PLICATE- Other instructi	ions on reve	erse side.		r CA/Agreement, Name and/or No.
2. Name of Operator Bill Barrett Corporation 31. Address 1099 18th Street, Suite 2300, Denver, CO 80202 31. Phone No. (Include area code) 303-312-85-46 303-	1. Type of Well ✓ Oil Well □	Gas Well□□ Other				me and No
30 Address 1999 18th Street, Suite 2360, Denver, CO 80202 3b. Phone No. (include area code) 303-312-8546 10 Field and Pool, or Exploratory Area ALTAMONT 11. County or Parish, Suite DUCHESNE, Section 29, T3S, R6W 11. County or Parish, Suite DUCHESNE, Section 29, T3S, R6W 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. Check appears 12. Change Repair 12. Change Repair 12. Change Repair 12. Change Repair 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposa is to deepen directionally or recomplete horizonally, give substratice locations and measured and the verbraid depths of all pertinent markers and zones. Attach the Boal under which the work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent proprised of the proposal or completed of pertinent markers and zones. Attach the Boal under which the work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent proprised all be filed on the second proposed or completed. Final Abandonnent Notices shall be filed only after all requirements, including reclamation, have been completed. Final Abandonnent Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is real final inspection. Bill Barrett Corporation (BBC) request permission to commingle the Wasatch and Green River Formations for the # 14-129-36 BTR. APPROVED BY THE STATE OIL GAS & MINING Federal Approval Of This Action is Recogning is true and correct Name (Proposal) from the propriet of the involved of the notice does not warrant or corrid, that the applicant to conduct operations th						
10. Field and Pool, or Exploratory Area ALTAMONT 11. County or Parish, State DUCHESNE, COUNTY 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOINCE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 11. County or Parish, State DUCHESNE COUNTY 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOINCE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOINCE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 13. Describe Proposed or Completed Operation (clearly state all pertinem details, including estamation and propositions of the proposal is to deepen directionally or recomplete harizontally, give subscribes locations and measured and true vertical depths of all pertinent makers and zones. Anath the Bood under which the work will be performed or provide the Boad No. on file with BLMPIA. Required abbequent reports shall be filed within 30 days following completed. Final Abandoment Notices shall be filed only after all reputements, including estamation, have been completed. APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND ASSISTED OF OIL, GAS AND ASSISTED OF OIL, GAS AND ASSISTED OF NOTICE Permit Analyst Federal Approval of This SEPACE FOR FEDERAL OR STATE OFFICE USE THIS SPACE FOR FEDERAL OR STATE OFFICE USE THIS SPACE FOR FEDERAL OR STATE OFFICE USE THIS SPACE FOR FEDERAL OR STATE OFFICE USE Office Office			Dhoma No. Gualia] -	
11. County or Parish, State DUCHESNE COUNTY 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Acidize				ae area coae)	ļ	
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TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent		-			1	
Notice of Intent	12. CHECK API	PROPRIATE BOX(ES) TO IND	ICATE NATU	RE OF NOTICE, R	EPORT, OF	R OTHER DATA
Notice of Intent Alter Casing Fracture Treat Reclamation Well Integrity Other Committing	TYPE OF SUBMISSION		TY	PE OF ACTION		
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(Instructions on page 2)

COPY SENT TO OPERATOR

Date: 9:23: 2008

Initials: 15

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an			BIA-EDA-2OG0005608		
			6. If Indian	, Allottee or Tribe Name	
abandoned well. Use Form 3160 - 3 (APD) for such prop			roposals.	UTE IN	IDIAN TRIBE
SUBMIT IN TRIPLICATE- Other instructions on reverse side.			ŀ	7. If Unit or CA/Agreement, Name and/or No. N/A	
1. Type of Well Oil Well □	Gas Well Other			ļ	1 No.
				8. Well Na # 14-29	me and INO. -36 BTR
2. Name of Operator Bill Barrett C	Corporation	,		9. API W	
3a Address 1099 18th Street, Suite 2300, D	enver, CO 80202	3b. Phone No. (inch 303-312-8546	ide area code)	43-013 10. Field an	d Pool, or Exploratory Area
4. Location of Well (Footage, Sec., 1	T., R., M., or Survey Description)			ALTA	
539' FSL, 2000' FWL SESW, Section 29, T3S, R6W				1	or Parish, State ESNE COUNTY
10 CVIDCW AT	DDD ODDIATE DOV(EQ) TO	DIDIOATE MATE	DE OFNOTICE D	<u> </u>	
	PROPRIATE BOX(ES) TO			EPORI, OF	R OTHER DATA
TYPE OF SUBMISSION	<u> </u>	T	YPE OF ACTION		
	Acidize	Deepen	Production (Sta	art/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction			Other Weekly Completion
Final Abandonment Notice	Change Plans	Plug and Abandor		oandon	Activity
Land Additional Notice	Convert to Injection	Plug Back	Water Disposal		
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14. I hereby certify that the fore Name (Printed Typed)	going is true and correct	1			
Reed Haddock		Title	Permit Analyst		
Signature M	Hadder	Date	()9/08/2008	
	THIS SPACE FOR I	EDERAL OR	STATE OFFICE	USE	
Approved by			Title]1	Date
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in	n the subject lease	Office		
Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudul	e 43 U.S.C. Section 1212, make it a ent statements or representations	crime for any person as to any matter within	knowingly and willfully its jurisdiction.	to make to	of the United

(Instructions on page 2)

SEP 10 2008



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 9/8/2008

Report #: 53

AFE #: 14512D

Summary: well shut in to build pressure, 12 PM

End Time

Description

Description

open on full 2" no pressure built, no flow, leave open till 7 PM and shut in to build

pressure, 0 PSI @ 6 AM.

6:00 AM

well shut in to build pressure. open @ 12 PM 0 PSI no flow leave open till 7 PM and shut in to build pressure. 0 PSI @ 6 AM.

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License				
SESW-29-3S-6W-W30M	43-013-33643				

Ops Date: 9/7/2008

Report #:

52

AFE #: 14512D

Summary: wait on well head change over for SCL

to RU to frac stack.

RUWL & SET CBP @ 7270' & PERF

STAGE # 12/13 FROM 7014' - 7246'

(36 TOTAL HOLES).

FRAC STAGE # 12/13: 43.8 BBLS 15%

HCL ACID, 2364.7 BBLS OF FR-56 WATER & 862.7 BBLS OF 20# CROSSLINKED, 112754 # 20/40 SILVERSTIM LT WHITE SAND

PRE FRAC GRADIENT = 0.57 (14 OUT

OF 36 PERFS OPEN)

POST FRAC GRADIÉNT = 0.64 FLUID TO RECOVER FROM STAGE:

3162 BBLS

RUWL & SET CFP @ 6980' & PERF STAGE # 13/13 FROM 6822' - 6962'

(30 TOTAL HOLES).

FRAC STAGE # 13/13: 38.0 BBLS 15%

HCL ACID, 2393.6 BBLS OF FR-56 WATER & 792.2 BBLS OF 20# CROSSLINKED, 113987 # 20/40

SILVERSTIM LT WHITE SAND PRE FRAC GRADIENT = 0.62 (18 OUT

OF 30 PERFS OPEN)

POST FRAC GRADIÉNT = 0.70 FLUID TO RECOVER FROM STAGE:

3139 BBLS

6 PM flow back well on 18/64 choke @ 1100 PSI, pressure dropped rapidly, 8 PM well died, leave open on full 2" line to pit, 11 PM no flow, SWI 3AM pressure @ 300 PSI, open on 20/64 choke unloaded very little water, leave open on full 2". shut well in @ 6 AM to build pressure.

End Time

9:00 AM

2:45 PM

9:30 AM

12:30 PM

NU change over.

WELL HAS 600# PSI SICP, OPENED WELL, RIH WITH SLB WL TO SET CFP AND TO PERF STAGE # 12, SET CBP @ 7270'

PERFORATE AS FOLLOWS:

wait on frac stack change over,

7014' - 7016' 6 - SHOTS

7070' - 7072' 6 - SHOTS 6 - SHOTS

7128' - 7130' 7164' - 7166' 12 - SHOTS

7218' - 7220' 6 - SHOTS

7244' - 7246' 6 - SHOTS

36 - TOTAL SHOTS, NO PRESSURE CHANGE AFTER

PERFORATING

POOH WITH WIRELINE AND GUNS

FRAC STAGE # 12/13 AS FOLLOWS (STAGE 1 FOR DAY):

TOOK 2.5 BBLS OF FR-56 WATER PRIOR TO FORMATION BREAKING BACK TO 3097 PSI @ 40.4 BPM. PUMP 34.8 BBLS 15% HCL @ 40.6 BPM @ 3170 PSI FORMATION BROKE BACK TO 3097 PSI WITH ACID ON FORMATION.

START STEP DOWN TEST: ISIP: 945 PSI (F.G. = 0..57) (14 OUT OF 36 PERFS OPEN)

POST STEP DOWN:

STEP DOWN: BBLS @ BPM PSI ATP 64.3 BBLS OF SPACER @ 40.6 BPM 2402 PSI ATP

666.7 BBLS OF CW FRAC @ 57.8 BPM 3372 PSI ATP 671.6 BBLS OF PAD @ 56.8 BPM 3229 PSI ATP 536 BBLS OF 0.5 PPA 20/40 FR WATER @ 56.5 BPM 2826 PSI

265.4 BBLS OF 1.0 PPA 20/40 FR WATER @ 56.3 BPM 2607 PSI

272.6 BBLS OF 2.0 PPA 20/40 SILVERSTIM LT @ 56.2 BPM 2807 PSI A



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License				
SESW-29-3S-6W-W30M	43-013-33643				

Ops Date: 9/7/2008

Report #: 52

AFE #: 14512D

Summary: wait on well head change over for SCL

to RU to frac stack.

RUWL & SET CBP @ 7270' & PERF STAGE # 12/13 FROM 7014' - 7246'

(36 TOTAL HOLES).

FRAC STAGE # 12/13: 43.8 BBLS 15% HCL ACID, 2364,7 BBLS OF FR-56 WATER & 862.7 BBLS OF 20# CROSSLINKED, 112754 # 20/40 SILVERSTIM LT WHITE SAND PRE FRAC GRADIENT = 0.57 (14 OUT

OF 36 PERFS OPEN) POST FRAC GRADIÉNT = 0.64

FLUID TO RECOVER FROM STAGE:

3162 BBLS

RUWL & SET CFP @ 6980' & PERF STAGE # 13/13 FROM 6822' - 6962' (30 TOTAL HOLES).

FRAC STAGE # 13/13: 38.0 BBLS 15% HCL ACID, 2393.6 BBLS OF FR-56 WATER & 792.2 BBLS OF 20# CROSSLINKED, 113987 # 20/40 SILVERSTIM LT WHITE SAND PRE FRAC GRADIENT = 0.62 (18 OUT

OF 30 PERFS OPEN) POST FRAC GRADIENT = 0.70 FLUID TO RECOVER FROM STAGE:

3139 BBI S

6 PM flow back well on 18/64 choke @ 1100 PSI, pressure dropped rapidly, 8 PM well died, leave open on full 2" line to pit, 11 PM no flow, SWI 3AM pressure @ 300 PSI, open on 20/64 choke unloaded very little water, leave open on full 2". shut well in @ 6 AM to build pressure.

End Time

4:30 PM

6:00 AM

WELL HAS 490# PSI SICP, OPENED WELL, RIH WITH SLB WL

TO SET CFP AND TO PERF STAGE # 13, SET CBP @ 6980'

Description

PERFORATE AS FOLLOWS: 6822' - 6824' 6 - SHOTS 6860' - 6862' 6 - SHOTS 6930' - 6932' 6 - SHOTS 6939' - 6941' 6 - SHOTS 6960' -6962' 6 - SHOTS

36 - TOTAL SHOTS, NO PRESSURE CHANGE AFTER

PERFORATING POOH WITH WIRELINE AND GUNS

5:30 PM FRAC STAGE # 13/13 AS FOLLOWS (STAGE 2 FOR DAY):

> TOOK 1.5 BBLS OF FR-56 WATER PRIOR TO FORMATION BREAKING BACK TO 2630 PSI @ 20 BPM. PUMP 38 BBLS 15% HCL @ 43.3 BPM @ 4750 PSI FORMATION BROKE BACK TO 4460 PSI WITH ACID ON FORMATION.

START STEP DOWN TEST:

ISIP: 1315 PSI (F.G. =0.62) (18 OUT OF 30 PERFS OPEN)

POST STEP DOWN:

STEP DOWN: BBLS @ BPM PSI ATP 61.6 BBLS OF SPACER @ 30.9 BPM 4337 PSI ATP 643.8 BBLS OF CW FRAC @ 46.7 BPM 4104 PSI ATP 724.9 BBLS OF PAD @ 56.6 BPM 3790 PSI ATP

550.5 BBLS OF 0.5 PPA 20/40 FR WATER @ 55.7 BPM 4418 PSI

ATP 256.5 BBLS OF 1.0 PPA 20/40 FR WATER @ 55.5 BPM 6396 PSI

ATP 258.1 BBLS OF 2.0 PPA 20/40 SILVERSTIM LT @ 55.9 BPM

open well on 18/64 choke @ 1200 PSI, pressure dropping rapidly flowing back water, 8 PM well died, leave open till 11 PM, no flow shut well in, build pressure to 300 PSI to 64/64 unload water but died. 47 BBLS total recovered, shut well in to build pressure @ 6 AM



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License				
SESW-29-3S-6W-W30M	43-013-33643				

Ops Date: 9/6/2008

Report #: 51

AFE #: 14512D

Summary: 400 PSI on CSG, RU rig pump and kill w/ 90 BBLS, ND BOP, NU frac stack,

RD rig and equipment, MO.

SLC MIRU, RIH w/ dump bailer and tag sand @ 9217', dump sand and POOH w/

bail, RIH w/ plug and gun.

3513 BBLS

RUWL & SET CBP @ 7480' & PERF STAGE # 11/13 FROM 7290' - 7440' (42 TOTAL HOLES).

FRAC STAGE # 11/13: 36.7 BBLS 15% HCL ACID, 2626.8 BBLS OF FR-56 WATER & 849.2 BBLS OF 20# CROSSLINKED, 137495 # 20/40 SILVERSTIM LT WHITE SAND PRE FRAC GRADIENT = 0.64 (31 OUT OF 42 PERFS OPEN) SDFN. POST FRAC GRADIENT = 0.73 FLUID TO RECOVER FROM STAGE:

End Time

7:30 AM 8:30 AM

3:30 PM

Description

400 PSI bleed down, RU pump and kill CSG w/ 90 BBLS.

ND BOP, NU frac stack. RD rig and equip MO.

10:00 AM SLC WL MIRU.

1:30 PM

RIH w/ dump bail and sand, tag sand @ 9217' plug @ 9220', dump

sand, POOH.

WELL HAS 0# PSI SICP, OPENED WELL, RIH WITH SLB WL TO

SET CBP AND TO PERF STAGE # 11, SET CBP @ 7480'

PERFORATE AS FOLLOWS:

7290' - 7292' 6 - SHOTS

7323' - 7325' 6 SHOTS

7348' - 7350' 6 - SHOTS

7374' - 7378' 12 - SHOTS 7402' - 7204' 6 - SHOTS

7438' - 7440' 6 - SHOTS

42 - TOTAL SHOTS, NO PRESSURE CHANGE AFTER

PERFORATING

POOH WITH WIRELINE AND GUNS

4:30 PM

RU HAL frac equip.

6:30 PM

FRAC STAGE # 11/13 AS FOLLOWS (STAGE 1 FOR DAY):

TOOK 18.9 BBLS OF FR-56 WATER PRIOR TO FORMATION BREAKING BACK TO 4087 PSI @ 28.8 BPM. PUMP 16.7 BBLS 15% HCL @ 44.6 BPM @ 4087 PSI FORMATION BROKE BACK TO 3617 PSI WITH ACID ON FORMATION.

START STEP DOWN TEST:

ISIP: 1562 PSI (F.G. = 0.64) (31 OUT OF 42 PERFS OPEN)

POST STEP DOWN:

STEP DOWN: BBLS @ BPM PSI ATP 231.2 BBLS OF SPACER @ 34.8 BPM 3077 PSI ATP 738.43 BBLS OF CW FRAC @ 61.3 BPM 4207 PSI ATP

596.6 BBLS OF PAD @ 61.6 BPM 3476 PSI ATP 592.7 BBLS OF 0.5 PPA 20/40 FR WATER @ 60.2 BPM 3162 PSI

ATP

298.6 BBLS OF 1.0 PPA 20/40 FR WATER @ 60.6 BPM 2950 PSI

ATP

298.2 BBLS OF 2.0 PPA 20/40 SILVERSTIM LT @ 60.3 BPM

3327



Weil Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License				
SESW-29-3S-6W-W30M	43-013-33643				

Ops Date: 9/6/2008

Report #:

AFE #: 14512D

Summary : 400 PSI on CSG, RU rig pump and kill w/ 90 BBLS, ND BOP, NU frac stack,

RD rig and equipment, MO.

SLC MIRU, RIH w/ dump bailer and tag sand @ 9217', dump sand and POOH w/

bail, RIH w/ plug and gun.

RUWL & SET CBP @ 7480' & PERF STAGE # 11/13 FROM 7290' - 7440' (42 TOTAL HOLES).

FRAC STAGE # 11/13: 36.7 BBLS 15% HCL ACID, 2626.8 BBLS OF FR-56 WATER & 849.2 BBLS OF 20# CROSSLINKED, 137495 # 20/40 SILVERSTIM LT WHITE SAND PRE FRAC GRADIENT = 0.64 (31 OUT OF 42 PERFS OPEN) SDFN. POST FRAC GRADIENT = 0.73

FLUID TO RECOVER FROM STAGE:

3513 BBLS

End Time 6:00 AM

SDFN

Description

D



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License	
SESW-29-3S-6W-W30M	43-013-33643	

Ops Date: 9/5/2008

50 Report #:

AFE #: 14512D

Summary: 300 PSI on both TBG & CSG bleed off pressures, RU rig pump and kill TBG w/

30 BBLS, TIH w/ TBG out of derek lay down TBG on TBG trailors, SDFN SWIFN, too windy too rig down.

End Time 8:00 AM

Description 300 PSi on TBG & CSG, bleed both down, RU rig pump to TBG

and kill w/ 30 BBLS.

9:00 AM

TIH w/ TBG out of derek.

5:30 PM

LD TBG on TBG trailors SWIFN

6:00 AM

SDFN

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

Ops Date: 9/4/2008

Report #:

AFE #: 14512D

Summary: 400 PSI on TBG & CSG bleed pressure RU rig pump to TBG and kill w/ 30 BBLS, TIH w/ TBG set plug @ 9220' and set packer @ 8886', RU swab equip, IFL @ 1500', run # 3 fluid level @ 3300' gas cut slight oil, run # 6 fluid @ 2800' very gas cut +/- 2/3 gas on swab runs slight oil, run # 9 fluid level @ 3800' stack out on some thing @ 4400' try to work down TBG, POOH check swab mandril and found alot of sand, let sit for 45 MINS, RIH w/ 1 sand cup fluid @ 2800', found a piece of rubber on cup and alot of sand, swab till TBG clean up, made total of 15 swab runs, EFL 4000', 102 BBLS recovered, slight oil, alot of sand, 5 1/2 hr swab test, unset packer, TIH tag sand on plug 3' high, pump 270 BBLS, cant catch circulation, try to latch on plug but sand started to fall out of TBG, TOH above top perf, SDFN.

End Time

9:00 AM

4:00 PM

5:00 PM 5:30 PM

7:30 PM

7:00 PM

7:00 AM

TBG & CSG have 400 PSI, bleed TBG and CSG to 100 PSI, pump 30 BBLS down TBG.

TIH w/ TBG, set plug @ 9220' and packer @ 8886', RU swab

equip.

IFL @ 1500' CSG 0 PSI, run # 3 fluid @ 3300' gas cut and slight oil, run #6 fluid @ 2800', very gas cut and slight trace of sand, slight oil, run #9 fluid @ 3800' stack out @ 4400' try to work down TBG, POOH found alot sand on swab mandril, let sit for 45 MINS, RIH w/ one sand cup fluid level @ 2800', POH and found rubber pieces on swab cup, run # 13 fluid @ 3500' rubber clean up gas cut slight trace of oil, alot of sand, 15 runs total 102 BBLS swabbed back, slight oil lot of sand. 5 1/2 HR swab test.

Description

unset packer TIH to plug and tag sand 3' on plug.

wait on water truck.

truck show up and pump 270 BBLS down CSG to try to catch circulation, TBG & CSG volume is 193 BBLS, try to retrieve plug

sand started to fall out of TBG.

TOH w/ TBG above top perf EOT @ 7477'.

6:00 AM SDFN.



Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License				
SESW-29-3S-6W-W30M	43-013-33643				

Ops Date: 9/3/2008

Report #: 48

AFE #: 14512D

Summary: 1550 PSI CSG, 1200 PSI TBG, bleed TBG and bleed CSG down to 300 PSI, pump 30 BBLS down TBG to kill, TIH w/ TBG to retrieve plug @ 9610', tag sand @ 9590', try to circulate reversed down CSG return up TBG, pump 125 BBLS and try to move TBG up and down to make sure TBG is free, cannot move TBG up hole only down, RU TBG swivel and jar TBG free, TOH w/ TBG, LD packer, PU & MU plug and packer, TIH above top perf, EOT @ 7490' SDFN.

End Time

9:00 AM

Description

1550 PSI on CSG, 1200 PSI on TBG, bleed TBG to flow back tank, bleed CSG to 200 PSI, pump 30 BBLS down TBG to kill, TIH w/ TBG to retrieve plug @ 9610', tag sand @ 9590' 20' of sand on

11:00 AM

pump reversed down CSG return up TBG to clean off sand on plug, try to move TBG up and down to make sure packer is not stuck, cant move TBG up only go down, RU TBG swivel and jar

TBG loose.

1:30 PM 5:00 PM TOH w/ TBG to much sand falling on the packer, LD packer.

PU & MU HAL plug and packer, TiH on TBG, leave EOT @ 7490' above top perf.

SDFN

6:00 AM

Well Name: #14-29-36 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SESW-29-3S-6W-W30M	43-013-33643

47

Ops Date: 8/30/2008

Report #:

AFE #: 14512D

Summary: bleed pressures, 100 PSI TBG, 1200 PSI CSG, make 2 runs IFL @ 4400', unset packer TIH retrieve plug and set @ 9610' set packer @9278, swab test 10 runs, 69 BBLS recovered, gas cut 25% oil cut, ending fluid @ 8100' 3 1/2 HRS swab test, unset packer TIH to 9400' and set, swab test IFL @ 2900' make 8 runs 41 BBLS recovered, very gas cut, ending fluid level @ 7500', unset packer TOH above top perf, shut well in for the weekend.

End Time 8:30 AM

Description

equipment, IFL @ 4400'

bleed pressures, 100 PSI on TBG, 1200 PSI on CSG, RU swab , make 2 swab runs 15 BBLS recovered, slight trace of oil, water tested @ PH -7.16, CLORIDE -

8300, CALCIÚM - 244.

11:00 AM

pump 30 BBLS down TBG, equalize fluid, unset packer, TIH and retrieve plug, unset RBP, set RBP @ 9610' and set packer @

3:00 PM

RU swab equipment, IFL @ 1800', run # 4 fluid @ 5300', CSG pressure @ 400 PSI, run # 6 fluid level @ 7000' CSG pressure @ 540 PSI, made 10 runs ending fluid level @ 8100' pulled from PSN

@ 9246' 69 BBLS recovered,

4:00 PM

pump 30 BBLS down TBG unset packer and TIH to 9400' and set.

RU swab equipment,

5:30 PM

IFL @ 2900', very gas cut 5% oil cut, make 8 runs ending fluid

level @ 7500' 41 BBLS recovered, very gas cut,

6:30 PM

pump 30 BBLS down TBG TOH above top perf and shut well in for

weekend.

6:00 AM

SDFN.



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

5. Lease Serial No.

												BIA	-EDA-2	OG00056	08	
la. Type of V	Well Completion:	☑ N	il Well Iew Well	G	as Well ork Over	Dry Deepen	Other Plug	Back Di	f. Resvr.,				Indian, Indian	Allottee or 7	Tribe Na	ame
			ther:						ŕ					A Agreemen	t Name	and No.
2. Name of 0 Bill Barrett		nn							,				ease Nar	ne and Well	No.	
3. Address			te 2300					3a. Phone	No finclud	de area cod	le)		-29-36 FI Well			
	Denver, CO 8	0202						(303) 31				43-0	13-336	643		
4. Location				•	'in accord	ance with Feder	al requi	irements)*					Field and mont	l Pool or Ex	plorator	У
At surface	539' FSL SE/4, SV				w							11.	Sec., T.,	R., M., on E r Area Sec.	lock an 29, T3S,	d R6W
At top pro-	d. interval re	ported	below 7	712' FSI	x 2010'	FWL, SE/4, S	W/4, §	Sec. 29, T3S	, R6W			12.	County o	or Parish	13.	State
At total de	pth 709' F	SL x 2	2004' F\	NL, SE/	4, SW/4,	Sec. 29, T3S,	R6W					Duc	hesne	County	U	Γ
14. Date Spi					D. Reached	1		16. Date Com						ns (DF, RK	B, RT, (GL)*
03/14/2008 18. Total De		10,3		5/18/200		g Back T.D.:	MD	□D&A 10コ5ユ		ady to Proc 0. Depth B			1' GL MD			
	TVI	10.3	135'		- 1	·	TVD	10242		•	•	Ü	TVD			
21. Type El Baker Hug	ectric & Othe hes HDI/C	er Mech NL/G	nanical Lo R/Minilo	ogs Run (og/Calip	Submit cop er GR/Di	y of each) CBo gital Spectralo	g/Sch	R, CONA	r Press	2. Was we S Was DS	ll cored? T run? onal Surv	Z N Z N ey? □ N	。	Yes (Submi Yes (Submi Yes (Submi	t report)	•
23. Casing	and Liner R	ecord	(Report a	ll strings	set in wel	<i>y</i>				.,						
Hole Size	Size/Gra	de	Wt, (#/ft.) To	p (MD)	Bottom (MD) 8	tage Cementer Depth	1	f Sks. & f Cement	I	ry Vol. 3BL)	Cem	ent Top*	A	amount Pulled
20"	16"Cond	uct.	1/4 " wa	II Surfa	ice	40'			Grout C	mt.			0'			
14 3/4"	10 3/4	J-55 4	45.5 lbs	. Surfa	ice	3001'			1340 sx	c-Lt.Prem	285 b	bls.	0'			
									450 sxs	- Prem.	ļ					
8 3/4"	5 1/2" P1	110	17 lbs.	3001	' 	10,290'	\bot			-Lt.Pre	95 bb					
				_				·	595 sxs	-50/50	125 b	bls.				
24. Tubing	Record					<u> </u>			J		<u> </u>					
Size	Depth S	et (MD) Pac	ker Deptl	(MD)	Size	De	epth Set (MD)	Packer D	epth (MD)		Size	Dept	h Set (MD)	Pa	acker Depth (MD)
2 7/8"	6,658'															
25. Producii	ng Intervals Formation		<u>-</u>	Ť	op go	Bottom	26.	Perforation Perforated I			Size	No.1	Holes		Perf	Status
A) Wasato		•		7,768'	2	9,593'	10	,195' - 10,23		0.44		30		Closed-C		8,890' 2 sxs cmt
B) Green I	River			6,822'		7,652'	9,9	9,954' - 9,980'			0.44" 30		0 Closed-CBP @ 8,890		8,890' 2 sxs cmt	
C)							9,3	336' - 9,593'		0.44	! "	36		Closed-C	BP@	8,890' 2 sxs cmt
D)							8,9	912' - 9,186'		0.34	∔ "	48		Closed-C	BP @	8,890' 2 sxs cm
27. Acid, Fi			Cement	Squeeze,	etc.				A	-d True of	Mataria		-			
10,195' - 1	Depth Interv	vai		70% N2	foam fra	c w/ 42,067 g	als: 9	400 lbs 20/4		nd Type of	wateria				<u> </u>	······································
9,954' - 9,						c w/ 56,946 g										······································
9,336' - 9,			_			c w/ 45,364 g										
8,912' - 9,	186'	·		125,066	gals. 20	# Linear Gel;	93,900	0 lbs. 20/40 s	and							
28. Product			hr.		h::	la	NX7-4	0:10-		- C	ln.	a dustion X	Cathad			
Date First Produced		Hours Tested	Test Prod		Oil BBL		Water BBL	Oil Gr Corr. A		Gas Gravity		oduction N lowing	remod			
8/21/08	9/23/08	24		<u>→</u>	395	474	451	50		N/A					·	····
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 F Rate		Oil BBL	Gas MCF	Water BBL	Gas/O Ratio	1	Well Sta						
	SI		ıxalı				ļ			Produc	νια					
24/48	1100	380			395	474	451	1200	:1							·
28a. Produc Date First		Hours	Test	t	Oil	Gas	Water	Oil Gr	avity	Gas	Pi	oduction N	1ethod		· · · ·	
Produced		Tested	Proc	duction	BBL		BBL	Corr. 1		Gravity					- 3 & SF	=n
				→					· · · · · · · · · · · · · · · · · · ·			ζ.		RECE	:IVt	ニレ
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 I Rate		Oil BBL	Gas MCF	Water BBL	Gas/O Ratio	il	Well Sta	itus			OCT 0		
	<u> </u>	<u> </u>													~ ~ ~ •	MINING

001 D 1		1.0								·
Date First	uction - Inte Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	1 roddenon wented	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<u> </u>	the second secon
28c. Prod	uction - Inte	rval D				.				<u> </u>
		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	nakowa i	
29. Dispo	sition of Ga	s (Solid, 1	used for fuel, ve	ented, etc.) !	I				
Show	all important	t zones of		ontents th		intervals and all	l drill-stem tests, pressures and	31. Formati	ion (Log) Markers	
For	nation	Тор	Bottom		Des	criptions, Conte	ents etc		Name	Тор
		, op	20110111			oriphono, conto			Traine	Meas, Depth
								Green River		3,044'
								Wasatch North Horn		7,719' 9,799'
								TD		10,345'
32. Addit	ional remar	ks (includ	le plugging pro	cedure):						
33. Indic	ate which ite	ems have	been attached	by placing	g a check in the	e appropriate bo	exes:			
Ele	ctrical/Mech	anical Log	gs (1 full set req	'd.)		Geologic Repo	rt 🔲 DST	Report	✓ Directional Survey	
			g and cement v		·	Core Analysis	Othe			
		//	regoing and att		ormation is co	mplete and corre			records (see attached instructions	s)*
	Signature		AH	rdc	toct		Date 10/02/20			
Title 18 U	J.S.C. Section	on 1001 a	nd Title 43 U.S	S.C. Section	on 1212. make	it a crime for a	ny person knowing	ly and willfully to	o make to any department or ager	ncy of the United States any

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INTERVAL	(Top/Bot-MD)	SIZE	NO. HOLES	PERFORATION STATUS				
8,596'	8,762'	0.340"	30	Open				
8,416'	8,506'	0.340"	42	Open				
8,195'	8,332'	0.340"	30	Open				
7,916'	8,080'	0.340"	30	Open				
7,768'	7,804'	0.340"	30	Open				
7,508'	7,652'	0.340"	48	Open				
7,290'	7,440'	0.340"	42	Open				
7,014'	7,246'	0.340"	36	Open				
6,822'	6,962'	0.340"	36	Open				

27. ACID, FRACTURE, TREAT	MENT, CEMENT SQUEEZE, ETC. (cont.)
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8,596' – 8,762'	100,483 gals. Crosslinked Gel; 72,500 lbs. 20/40 sand
8,416' – 8,506'	169,230 gals. Crosslinked Gel; 132,500 lbs. 20/40 sand
8,195' – 8,332'	102,828 gals. Crosslinked Gel; 84,300 lbs. 20/40 sand
7,916' – 8,080'	106,482 gals. Crosslinked Gel; 95,000 lbs. 20/40 sand
7,768' – 7,804'	59,106 gals. Crosslinked Gel; 48,000 lbs. 20/40 sand
7,508' – 7,652'	129,414 gals. Crosslinked Gel; 126,500 lbs. 20/40 sand
7,290' – 7,440'	82,836 gals. Crosslinked Gel; 118,800 lbs. 20/40 sand
7,014' – 7,246'	90,396 gals. Crosslinked Gel; 113,100 lbs. 20/40 sand
6,822' – 6,962'	92,580 gals. Crosslinked Gel; 113,500 lbs. 20/40 sand

Directional Plots

Location Information

Business Unit

Well Name:

#14-29-36 BTR

API / License #: 43-013-33643

Operations Project

Surface Location:

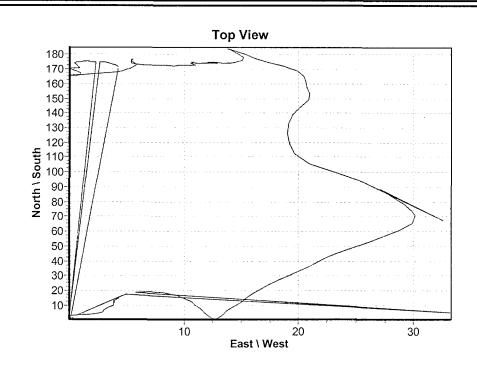
Uinta

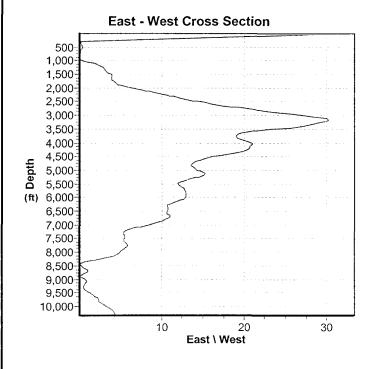
SESW-29-3S-6W-W30M

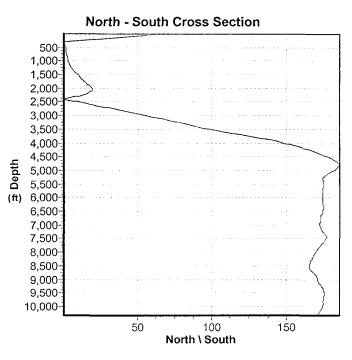
Phase/Area

Bottom Hole Location:

Black Tail Ridge SESW-29-3S-6W-W30M









Location Information

Business Unit

Directional Plus

Operations

Project Uinta

Phase/Area Black Tail Ridge Well Name #14-29-36 BTR

Surface Location SESW-29-3S-6W-W30M Main Hole

Bottom Hole Information

UWI	API / Lice	nse #
SESW-29-3S-6W-W30M	43-013-3364	3

Section	KOD	KOB	Date	TMD	TVD	TD Data
OGGUON	(ft)	NO-	Date	(ft)	(ft)	ID Date
Main						

12.08

\$ Survey Information		
Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)

359.00

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
		1.50	278.90	0.62	22.38	5.32	N	33.23	E	4.74	-0.10
		1.50	210.30	3.27	19.73	67.28	S	32.59	w	-66.70	-0.16
	294.00	0.20	168.20	294.00	-271.00	0.50	S	0.10	_		
	388.00	0.30	138.20	388.00					E	-0.50	0.07
					-365.00	0.85	S	0.30	E	-0.85	0.17
	511.00	0.30	206.70	511.00	-488.00	1.37	S	0.37	E	-1.38	0.27
	604.00	0.20	254.50	604.00	-581.00	1.63	S	0.11	E	-1.64	0.24
	695.00	0.40	144.00	694.99	-671.99	1.93	S	0.14	E	-1.94	0.56
	787.00	0.50	227.00	786.99	-763.99	2.47	S	0.04	E	-2.47	0.65
	915.00	0.40	79.60	914.99	-891.99	2.77	S	0.07	E	-2.77	0.68
	925.00	0.30	240.60	924.99	-901.99	2.77	S	0.08	E	-2.78	6.91
	986.00	0.50	281.90	985.99	-962.99	2.80	S	0.32	W	-2.79	0.56
	1014.00	1.80	208.20	1013.98	-990.98	3.16	S	0.65	W	-3.15	6.17
	1048.00	0.80	267.90	1047.97	-1024.97	3.64	S	1,14	W	-3.62	4.58
	1112.00	0.60	220.10	1111.96	-1088.96	3.91	s	1.80	W	-3.88	0.93
	1174.00	0.80	239.90	1173.96	-1150.96	4.38	S	2.38	W	-4.34	0.50
	1235.00	0.60	192.00	1234.95	-1211.95	4.90	S	2.82	W	-4.85	0.98
	1296.00	0.40	203.80	1295.95	-1272.95	5.41	S	2.97	W	-5.36	0.37
	1355.00	1.10	179.80	1354.95	-1331.95	6.17	S	3.05	W	-6.11	1.28
	1450.00	1.50	199.00	1449.92	-1426.92	8.25	S	3.45	W	-8.19	0.62
	1512.00	1.10	198.90	1511.90	-1488.90	9.58	S	3.91	W	-9.51	0.65
	1543.00	1.20	165.00	1542.90	-1519.90	10.18	S	3.92	W	-10.11	2.18
	1574.00	1.00	197.50	1573.89	-1550.89	10.75	S	3.92	W	-10.68	2.08
	1605.00	0.90	159.50	1604.89	-1581.89	11.24	S	3.92	W	-11.17	2.02
	1636.00	0.70	197.60	1635.88	-1612.88	11.64	S	3.89	W	-11.58	1.79
	1667.00	0.70	179.00	1666.88	-1643.88	12.01	S	3.94	W	-11.94	0.73
	1698.00	0.70	169.20	1697.88	-1674.88	12.39	S	3.90	W	-12.32	0.39
	1729.00	1.40	191.00	1728.87	-1705.87	12.95	S	3.94	W	-12.88	2.56
	1760.00	1.10	208.50	1759.87	-1736.87	13.58	S	4.16	W	-13.51	1.56
	1791.00	1.30	179.30	1790.86	-1767.86	14.19	S	4.29	W	-14.12	2.05
	1822.00	1.60	190.70	1821.85	-1798.85	14.97	s	4.37	W	-14.89	1.34
	1853.00	1.00	199.20	1852.84	-1829.84	15.65	S	4.54	VV	-15.57	2.03
	1883.00	1.30	186.00	1882.84	-1859.84	16.24	S	4.66	W	-16.15	1.33
	1914.00	1.80	208.20	1913.82	-1890.82	17.02	S	4.93	W	-16.93	2.49
	1977.00	1.40	212.80	1976.80	-1953.80	18.54	s	5.81	W	-18.43	0.67
	2039.00	1.50	278.90	2038.78	-2015.78	19.05	S	7.02	W	-18.92	2.55
	2069.00	0.80	286.90	2068.77	-2045.77	18.92	S	7.61	W	-18.79	2.39
	2100.00	1.10	305.20	2099.77	-2076.77	18.69	S	8.06	W	-18.55	1.36
	2131.00	1.40	328.40	2130.76	-2107.76	18.20	s	8.50	W	-18.05	1.88
	2162.00	1.90	338.30	2161.75	-2138.75	17.40	S	8.89	w	-17.24	1.85
	2193.00	2.60	331.90	2192.72	-2169.72	16.30	S	9.41	W	-16.13	2.40
	2255.00	4.60	347.10	2254.59	-2231.59	12.63	s	10.63	W	-12.45	3.55
	2286.00	4.90	355.10	2285.48	-2262.48	10.10	S	11.02	W	-9.91	2.34
	2317.00	5.10	348.60	2316.37	-2293.37	7.43	S	11.41	W	-7.23	1.94
	2348.00	5.00	354.30	2347.25	-2324.25	4.74	S	11.81	w	-4.53	1.65
	2378.00	4.90	348.10	2377.13	-2354.13	2.18	s	12.21	w	-1.97	1.81



Location Information

Business Unit Operations Project

Uinta

Phase/Area Black Tail Ridge Well Name #14-29-36 BTR

Surface Location SESW-29-3S-6W-W30M Main Hole

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	2407.00	5.00	347.30	2406.03	-2383.03	0.26	N	12.74	W	0.48	0.42
	2440.00	5.20	350.40	2438.90	-2415.90	3.14	N	13.31	W	3.37	1.03
	2471.00	5.80	351.30	2469.75	-2446.75	6.07	N	13.78	W	6.31	1.96
	2502.00	5.50	345.00	2500.60	-2477.60	9.05	N	14.40	W	9.30	2.22
	2533.00	5.70	349.80	2531.45	-2508.45	12.00	N	15.06	W	12.27	1.64
	2563.00	5.90	350.60	2561.30	-2538.30	14.99	N	15.57	W	15.26	0.72
	2594.00	5.80	350.70	2592.14	-2569.14	18.11	N	16.08	w	18.39	0.33
	2656.00	5.70	343.70	2653.83	-2630.83	24.16	N	17.45	W	24.46	1.14
	2687.00	5.80	342.80	2684.67	-2661.67	27.13	N	18.35	W	27.45	0.43
·	2718.00	6.00	344.10	2715.51	-2692.51	30.18	N	19.26	w	30.52	0.78
	2780.00	5.80	345.40	2777.18	-2754.18	36.33	N	20.93	W	36.69	0.39
	2841.00	5.80	345.20	2837.87	-2814.87	42.30	N	22.50	W	42.68	0.03
	2872.00	5.20	341.40	2868.72	-2845.72	45.14	N	23.35	W	45.54	2.26
	2960.00	5.30	339.20	2956.35	-2933.35	52.72	N	26.06	W	53.17	0.26
	3056.00	4.80	343.60	3051.98	-3028.98	60.72	N	28.77	W	61.21	0.66
	3118.00	4.70	350.00	3113.77	-3090.77	65.71	N	29.94	W	66.22	0.87
	3180.00	4.90	4.30	3175.55	-3152.55	70.85	N	30.19	W	71.37	1.95
	3211.00	4.50	8.90	3206.44	-3183.44	73.37	N	29.90	W	73.88	1.77
	3272.00	4.50	7.60	3267.26	-3244.26	78.11	N	29.21	W	78.61	0.17
	3334.00	5.50	11.90	3329.02	-3306.02	83.43	N	28.28	W	83.91	1.72
	3396.00	4.40	13.20	3390.78	-3367.78	88.65	N	27.12	W	89.11	1.78
	3458.00	5.30	20.50	3452.56	-3429.56	93.65	N	25.58	w	94.08	1.76
	3520.00	6.00	23.10	3514.26	-3491.26	99.31	N	23.30	w	99.70	1.20
	3582.00	6.70	16.90	3575.88	-3552.88	105.75	N	20.98	w	106.10	1.58
	3643.00	6.20	5.10	3636.49	-3613.49	112.44	N	19.65	W	112.76	2.32
	3705.00	6.00	2.70	3698.14	-3675.14	119.01	N	19.20	W	119.32	0.52
	3766.00	6.50	0.10	3758.78	-3735.78	125.65	N	19.05	w	125.96	0.94
	3828.00	6.50	358.90	3820.38	-3797.38	132.66	N	19.11	w	132.98	0.22
	3890.00	5.30	353.60	3882.04	-3859.04	139.02	N	19.49	W	139.34	2.12
	3951.00	4.70	351.10	3942.81	-3919.81	144.29	N	20.19	W	144.62	1.05
	4013.00	3.80	351.50	4004.64	-3981.64	148.83	N	20.89	w	149.17	1.45
	4075.00	4.50	4.60	4066.48	-4043.48	153.28	N	21.00	w	153.63	1.89
	4137.00	4.00	2.00	4128.30	-4105.30	157.87	N	20.73	W	158.21	0.86
	4199.00	3.60	1.90	4190.17	-4167.17	161.98	N	20.59	w	162.31	0.65
	4261.00	2.90	1.80	4252.07	-4229.07	165.49	N	20.48	W	165.82	1.13
	4323.00	3.30	16.80	4313.98	-4290.98	168.77	N	19.91	W	169.09	1.45
	4384.00	3.30	24.50	4374.87	-4351.87	172.04	N	18.67	w	172.34	0.73
	4447.00	2.80	25.90	4437.79	-4414.79	175.08	N	17.25	w	175.35	0.80
-	4509.00	2.80	16.90	4499.71	-4476.71	177.89	N	16.15	w	178.14	0.71
	4570.00	2.50	15.10	4560.65	-4537.65	180.60	N	15.37	w	180.84	0.51
	4632.00	1.60	28.50	4622.60	-4599.60	182.67	N	14.60	w	182.89	1.64
	4694.00	1.00	11.30	4684.59	-4661.59	183.96	N	14.09	w	184.17	1.14
-	4756.00	0.80	37.50	4746.58	-4723.58	184.83	N	13.72	w	185.04	0.73
	4817.00	0.20	209.50	4807.58	-4784.58	185.08	N	13.51	w	185.28	1.64
	4879.00	0.70	200.70	4869.57	-4846.57	184.63	N	13.70	w	184.84	0.81
	4941.00	1.30	192.00	4931.56	-4908.56	183.58	N	13.98	W	183.80	1.00
	5003.00	1.40	193.10	4993.55	-4970.55	182.16	N	14.29	w	182.38	0.17
	5065.00	2.00	194.30	5055.52	-5032.52	180.37	N	14.73	w	180.60	0.97
	5126.00	2.30	188.60	5116.48	-5093.48	178.13	N	15.18	w	178.37	0.60
	5188.00	1.50	161.50	5178.44	-5155.44	176.13	N	15.11	W	176.37	1.91
	5250.00	1.20	142.20	5240.42	-5217.42	174.85	N	14.45	w	175.07	0.87
	5281.00	0.90	114.90	5271.42	-5248.42	174.49	N	14.03	W	174.71	1.86
	5343.00	0.60	57.40	5333.41	-5310.41	174.46	N	13.32	w	174.67	1.24
	5405.00	0.60	94.00	5395.41	-5372.41	174.61	N	12.72	W	174.81	0.61
	5466.00	0.40	77.10	5456.41	-5433.41	174.64	N	12.19	W	174.82	0.40
	5497.00	0.30	76.80	5487.40	-5464.40	174.68	N	12.01	W	174.86	0.33
	5559.00	0.40	291.20	5549.40	-5526.40	174.80	N	12.05	w	174.98	1.08
****	5620.00	0.60	211.70	5610.40	-5587.40	174.60	N	12.42	W	174.79	1.08
	5682.00	0.40	214.60	5672.40	-5649.40	174.15	N	12.71	W	174.34	0.33
	5744.00	0.00	303.20	5734.40	-5711.40	173.97	N	12.84	W	174.17	0.65
	5806.00	0.40	335.00	5796.40	-5773.40	174.16	N	12.93	W	174.17	0.65
	5868.00	0.40	85.80	5858.40	-5835.40	174.10	N	12.93	W	174.57	0.82
	5930.00		216.50	5920.40	-5835.40	174.37	+	12.91	W	174.57	0.62
		0.20	186.20	5920.40	-5897.40 -5959.40	174.29	N N	12.07	W	174.49	0.59
	Saasini			1 UJUL.4U	-JJJJ.4U	114.03	LIN	14.34	1 W W	114.43	0.17
	5992.00 6054.00	0.50	58.70	6044.39	-6021.39	174.13	N	12.72	W	174.32	1.03



Location Information

Business Unit

Operations

Project Uinta Phase/Area Black Tail Ridge Well Name #14-29-36 BTR

Surface Location SESW-29-3S-6W-W30M

Main Hole

694-000 0.90 71.40 6290.39 6207.39 174.50 N 11.00 W 774.47 CA5 6950.30 CA5	∃xtrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
602.00		6178.00	0.50	97.30	6168.39	-6145.39	174.23	N	11.57	W	174.41	0.19
938-00		6240.00	0.60	71.40	6230.39	-6207.39	174.30	N	11.00	W	174.47	0.43
6487.00 0.00 173.70 6415.38 4892.36 174.95 N 10.79 W 175.05 D 12.1 6487.00 0.00 173.10 6477.39 4854.53 N 10.59 W 174.65 D 12.1 6487.00 0.00 174.95 N 174.95 N 10.71 W 174.05 D 12.1 6880.00 0.00 174.05 N 10.50 W 174.65 D 17.1 6880.00 0.00 174.05 N 10.50 W 174.65 D 17.1 6880.00 0.00 174.05 N 10.50 W 174.65 D 17.1 6880.00 0.00 174.05 N 10.50 W 174.65 D 17.1 6880.00 174.05 N 10.50 W 174.65 D 17.1 6880.00 174.05 N 10.50 W 174.05 N 174.10 D 17.1 6880.00 N 10.50 W 174.05 N 174.10 D 17.1 6880.00 N 10.50 W 174.05 N 174.0		6302.00	0.60	4.40	6292.38	-6269.38	174.73	N	10.67	W	174.89	1.07
6487.00		6364.00	0.20	301.90	6354.38	-6331.38	175.11	N	10.73	W	175.27	0.87
654.00		6425.00	0.60	173.70	6415.38		174.85	N	10.79	W	175.01	1.21
6610.00		6487.00	0.10	131.10	6477.38	-6454.38	174.49	N	10.71	W	174.65	0.86
6672-00 1.10 212,30 6862.37 -659.37 173,06 N 10,95 W 173.23 C86 6774-00 0.		6548.00	0.20	131.10	6538.38	-6515.38	174.38	N	10.59	W	174.54	0.17
6734.00		6610.00	0.70	189.00	6600.37	-6577.37	173.94	N	10.57	W	174.10	1.00
6785.00		6672.00	1.10	212.30	6662.37	-6639.37	173.06	N	10.95	W	173.23	0.86
6867.00		6734.00	0.60	80.60	6724.36	-6701.36	172.61	N	10.94	W	172.78	2.52
6918.00		6795.00	0.40	59.60	6785.36	-6762.36	172.77	N	10.45	W	172.93	0.44
6990.00		6857.00	0.40	92.10	6847.35	-6824.35	172.87	N	10.04	W	173.02	0.36
7012.00		6918.00	0.80	127.00	6908.35	-6885.35	172.61	N	9.49	W	172.75	0.86
T074.00		6950.00	0.60	88.00	6940.35	-6917.35	172.48	N	9.14	w	172.61	1.57
T107.00		7012.00	0.90	86.30	7002.34	-6979.34	172.52	N	8.33	W	172.64	0.48
1137.00		7074.00	0.80	66.80	7064.34	-7041.34	172.73	N	7.45	W	172.83	0.49
7199.00		7107.00	0.90	91.00	7097.33	-7074.33	172.81	N	6.98	W	172.91	1.12
T281.00		7137.00	0.90	74.60	7127.33	-7104.33	172.87	N	6.52	W	172.96	0.85
7292.00		7199.00	0.70	44.00	7189.32	-7166.32	173.27	N	5.78	W	173.35	0.75
7354 00		7261.00	1.20	9.00	7251.31	-7228.31	174.19	N	5.42	W	174.25	1.20
7416.00		7292.00	1.00	355.10	7282.31	-7259.31	174.78	N	5.39	W	174.84	1.07
7478.00		7354.00	1.10	3.50	7344.30	-7321.30	175.91	N	5.40	W	175.98	0.30
7539.00		7416.00	0.30	322.40	7406.29	-7383.29	176.63	N	5.46	w	176.70	1.45
7601.00		7478.00	0.10	171.40	7468.29	-7445.29	176.71	N	5.56	W	176.78	0.63
7663.00 1.10 193.10 7653.27 -7630.27 174.63 N 5.57 W 174.70 0.35 7728.00 1.10 185.10 7715.26 -7692.26 173.46 N 5.76 W 173.54 0.25 787.00 0.50 180.70 7777.26 -7787.20 N 5.81 W 171.16 0.48 7972.00 0.70 164.00 7962.24 -7939.24 170.25 N 5.01 W 170.31 0.48 8033.00 0.50 168.40 8023.23 -8000.23 168.93 N 4.85 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.71 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.20 168.29 N 4.71 W 169.05 0.33 8280.00 1.10 121.50 8232.21 -8329.19 166.29 N <td></td> <td>7539.00</td> <td>0.50</td> <td>152.50</td> <td>7529.29</td> <td>-7506.29</td> <td>176.42</td> <td>N</td> <td>5.42</td> <td>W</td> <td>176.49</td> <td>0.67</td>		7539.00	0.50	152.50	7529.29	-7506.29	176.42	N	5.42	W	176.49	0.67
7725.00 1.10 185.10 7715.26 7-692.26 173.46 N 5.76 W 173.54 0.25 7787.00 0.50 180.70 7777.26 -7754.26 172.60 N 5.81 W 172.67 0.97 7910.00 1.00 154.10 7900.24 -7754.26 172.60 N 5.81 W 172.67 0.97 7910.00 1.00 154.10 7900.24 -7939.24 170.25 N 5.01 W 170.31 0.54 8033.00 0.50 168.40 8023.23 -8000.23 165.63 N 4.85 W 169.69 0.34 8095.00 0.70 166.10 8085.23 -8000.23 1668.63 N 4.85 W 169.69 0.34 8095.00 0.70 166.10 8085.23 -8000.23 1668.93 N 4.55 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.71 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 168.34 1.01 8218.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 166.62 0.77 82880.00 1.10 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.81 0.48 8342.00 0.80 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.36 0.48 8373.00 1.00 123.00 8383.18 -8340.18 166.36 N 1.09 W 166.36 0.48 8373.00 1.00 123.00 8384.18 -8340.18 166.36 N 0.92 W 165.84 1.30 8434.00 0.60 128.00 8394.18 -8371.18 168.56 N 0.32 W 165.64 1.30 8434.00 0.10 101.90 8424.18 -8401.18 168.56 N 0.15 W 165.63 1.29 8550.00 0.40 286.60 8579.18 -8323.18 165.65 N 0.15 W 165.63 1.29 8550.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.53 0.43 8849.00 0.80 332.00 8536.18 -8342.18 165.65 N 0.15 W 165.63 1.29 8550.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -8708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -8708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -8708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -8708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -9708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -9708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -9708.15 167.63 N 0.97 W 165.59 0.99 8741.00 1.40 14.50 6731.15 -9708.15 167.63 N 0.97 W 167.50 1.00 9905.00 0.20 385.00 990		7601.00	0.90	187.90	7591.28	-7568.28	175.70	N	5.37	W	175.76	0.92
7787.00 0.50 180.70 7777.26 -7754.26 172.60 N 5.81 W 172.67 0.97 7910.00 1.00 154.10 790.02 4-7877.24 171.10 N 5.35 W 171.16 0.48 7972.00 0.70 164.00 7962.24 -7877.24 171.10 N 5.35 W 171.70 1 0.48 8093.00 0.50 168.40 8023.23 -8002.23 169.63 N 4.85 W 169.69 0.34 8157.00 1.00 127.80 8147.22 -802.23 168.99 N 4.71 W 168.34 1.01 8280.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.52 0.70 8342.00 1.00 123.00 8333.18 -8340.18 166.10 N 0.68 W 166.36 0.44 8373.00 1.00 123.00 8394.18 -8371.18 <td></td> <td>7663.00</td> <td>1.10</td> <td>193.10</td> <td>7653.27</td> <td>-7630.27</td> <td>174.63</td> <td>N</td> <td>5.57</td> <td>W</td> <td>174.70</td> <td>0.35</td>		7663.00	1.10	193.10	7653.27	-7630.27	174.63	N	5.57	W	174.70	0.35
7910.00 1.00 154.10 790.24 -7877.24 171.10 N 5.35 W 171.16 0.48 7972.00 0.70 164.00 7962.24 -7939.24 170.25 N 5.01 W 170.31 0.54 8033.00 0.50 168.60 8023.23 -8002.23 168.99 N 4.71 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 168.34 1.01 8280.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.62 0.70 8280.00 1.10 121.50 8322.19 -8309.19 166.36 N 1.09 W 166.91 0.48 8373.00 1.00 123.00 8361.18 -8371.18 166.10 N 0.68 W 166.91 0.48 8494.00 0.60 126.00 8394.18 -8371.18 166.5		7725.00	1.10	185.10	7715.26	-7692.26	173.46	N	5.76	W	173.54	0.25
7972.00 0.70 164.00 7962.24 -7939.24 170.25 N 5.01 W 170.31 0.54 8033.00 0.50 166.40 8023.23 -8000.23 169.93 N 4.85 W 169.95 0.34 8095.00 0.70 166.10 8085.23 -8002.23 169.93 N 4.71 W 169.95 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 166.91 0.43 8280.00 1.10 121.50 8282.02 -8185.21 167.59 N 3.13 W 166.91 0.49 8342.00 0.80 121.50 8332.19 -8309.19 166.36 N 1.09 W 166.36 0.44 8343.00 0.10 123.00 8363.18 -8340.18 165.96 N 0.32 W 165.84 1.30 8455.00 0.40 184.40 8452.18 -8401.8 165.7		7787.00	0.50	180.70	7777.26	-7754.26	172.60	N	5.81	W	172.67	0.97
8033.00 0.50 168.40 8023.23 -8000.23 169.63 N 4.85 W 169.69 0.34 8095.00 0.70 166.10 8085.23 -8062.23 168.99 N 4.71 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 168.34 1.01 8218.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.62 0.70 8280.00 1.10 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.91 0.49 8342.00 0.80 121.50 8332.19 -8309.19 166.36 N 1.09 W 166.36 0.48 8373.00 1.00 123.00 8363.18 -8340.18 168.10 N 0.88 W 166.09 0.66 8404.00 0.60 126.00 8394.18 -8371.15 165.86 N 0.32 W 165.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.64 1.70 8455.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.20 8556.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.44 0.67 8569.00 0.40 266.60 8579.18 -8556.18 165.54 N 0.55 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.40 44.70 8916.12 -8883.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.99 913.14 -8770.14 168.98 N 0.57 W 168.96 0.35 898.00 0.50 83.99 8916.12 -8883.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.99 8916.12 -8985.12 170.88 N 0.62 E 170.64 0.51 9950.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.88 998.00 0.50 83.99 8916.12 -8985.12 170.89 N 0.62 E 170.64 0.51 9950.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9142.00 1.10 350.00 9193.11 -9109.11 171.81 N 0.79 E 171.77 1.28 9204.00 0.70 350.00 9193.11 -9109.11 171.81 N 0.79 E 177.77 1.28 9204.00 0.70 350.00 9193.11 -9109.11 171.81 N 0.79 E 177.77 1.28 9204.00 0.70 350.00 9132.11 -9109.11 171.81 N 0.50 E 173.91 0.99 9389.00 0.80 2.68 937.00 993.58 30 9317.10 -9294.10 173.30 N 0.54 E 175.24 0.36 9327.00 0.90 358.30 9317.10 -9294.10 173.95 N 0.50 E 175.21 0.39 9389.00 0.80 2.68 937.90 9355.00 174.52 N 0.99 E 175.16 1.20 9320.00 0.20 133.80 9375.00 9441.00 175.29 N 1.66 E 174.78 0.66 9320.00 0.20 133.80 9375.00 9451.		7910.00	1.00	154.10	7900.24	-7877.24	171.10	N	5.35	W	171.16	0.48
8095.00 0.70 166.10 8085.23 -8062.23 168.99 N 4.71 W 169.05 0.33 8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 168.34 1.01 8218.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.62 0.70 8280.00 1.10 121.50 8270.20 -8247.20 168.90 N 1.96 W 166.91 0.49 8342.00 0.80 121.50 8322.19 -8309.19 166.36 N 1.09 W 166.36 0.48 8373.00 1.00 123.00 8363.18 -8340.18 166.10 N 0.88 W 166.09 0.65 8404.00 0.60 126.00 8394.18 -8371.18 165.86 N 0.32 W 166.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.19 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.56 N 0.35 W 165.63 1.28 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.50 0.99 8741.00 1.40 1.45 8731.15 8708.15 167.63 N 0.97 W 167.62 1.06 8850.00 0.40 44.70 8916.12 -8832.13 169.97 N 0.16 W 168.96 0.35 8865.00 0.40 44.70 8916.12 -8832.13 169.97 N 0.16 W 168.96 0.35 8865.00 0.40 44.70 8916.12 -8833.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 835.00 910.19 904.012 -8905.12 170.48 N 0.67 W 168.96 0.35 8865.00 0.80 358.70 9106.12 -8905.12 170.68 N 0.62 E 170.47 0.70 9905.00 0.20 350.10 904.12 -8905.12 170.68 N 0.62 E 170.47 0.70 9905.00 0.20 350.10 904.11 -9907.12 170.81 N 0.67 E 170.77 0.88 9116.00 0.80 358.30 912.11 -9109.11 171.81 N 0.67 E 170.77 0.88 9116.00 0.80 358.30 917.10 -9904.11 -9109.11 172.77 N 0.62 E 170.47 0.70 9204.00 0.70 350.00 9132.11 -9109.11 171.81 N 0.67 E 170.77 0.89 9116.00 0.80 358.30 9371.10 -9244.10 173.95 N 0.50 E 173.91 0.99 9360.00 0.20 350.10 904.11 -9109.11 171.81 N 0.67 E 170.77 0.88 9451.00 0.90 358.30 9371.10 -9244.10 173.30 N 0.54 E 173.56 0.66 9360.00 0.20 350.10 904.11 -9109.11 171.81 N 0.69 E 177.47 0.70 9503.09 9389.00 0.80 26.80 9379.09 9385.00 174.60 N 0.56 E 173.91 0.99 9389.00 0.80 26.80 9379.09 9380.00 175.20 N 0.99 E 175.16 0.12 9905.00 0.20 350.00 914.11 -9109.11 172.77 N 0.62 E 175.16 0.17 9905.00 0.20 350.00 9341.09 9360.00 175.20 N 1.99 E 175.16 0.12 9905.00 0.20 133.80 9370.		7972.00	0.70	164.00	7962.24	-7939.24	170.25	N	5.01	W	170.31	0.54
8157.00 1.00 127.80 8147.22 -8124.22 168.29 N 4.19 W 168.34 1.01 8280.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.62 0.70 8280.00 1.10 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.31 0.49 8342.00 0.80 121.50 8332.19 -8309.19 166.36 N 1.09 W 166.30 0.48 8373.00 1.00 123.00 8383.18 -8340.18 166.10 N 0.68 W 166.09 0.68 8404.00 0.10 101.90 8424.18 -8401.18 165.66 N 0.32 W 165.84 1.30 8455.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8590.00 0.40 286.60 8579.18 -8556.13 165.		8033.00	0.50	168.40	8023.23	-8000.23	169.63	N	4.85	W	169.69	0.34
8218.00 1.40 120.30 8208.21 -8185.21 167.59 N 3.13 W 167.62 0.70 8280.00 1.10 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.91 0.48 8373.00 1.00 123.00 3363.18 -8340.18 166.10 N 0.68 W 166.90 0.65 8404.00 0.60 126.00 8394.18 -8371.18 165.86 N 0.32 W 165.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.		8095.00	0.70	166.10	8085.23	-8062.23	168.99	N	4.71	W	169.05	0.33
8280.00 1.10 121.50 8270.20 -8247.20 166.90 N 1.96 W 166.91 0.49 8342.00 0.80 121.50 8332.19 8309.19 166.36 N 1.09 W 166.36 0.48 8373.00 1.00 123.00 8363.18 -8340.18 166.10 N 0.68 W 166.09 0.65 8404.00 0.60 126.00 8394.18 -8371.18 165.86 N 0.32 W 165.84 1.33 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.65 N 0.55 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.53 0.43 8649.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.16 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.64 0.51 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.97 E 171.75 0.89 9116.00 0.80 352.00 9194.11 -9109.11 171.81 N 0.79 E 171.77 0.28 9265.00 0.30 358.70 9194.11 -9109.11 171.81 N 0.79 E 171.77 0.26 9265.00 0.30 358.30 9375.10 -9232.10 173.30 N 0.84 E 173.26 0.66 9320.00 0.90 358.30 9375.10 -9232.10 173.30 N 0.54 E 175.24 0.65 9320.00 0.90 358.30 9375.10 -9232.10 173.30 N 0.54 E 175.24 0.65 9320.00 0.90 358.30 9375.10 -9232.10 173.30 N 0.54 E 175.24 0.65 9320.00 0.90 358.30 9375.10 -9232.10 173.30 N 0.54 E 175.24 0.65 9320.00 0.90 358.30 9375.10 -9232.10 173.30 N 0.54 E 175.24 0.39 9389.00 0.80 2.68 9379.09 9356.09 175.20 N 0.99 E 175.16 1.20 9513.00 0.40 71.70 9503.09 9356.09 175.20 N 0.99 E 175.16 1.20 9513.00 0.40 71.70 9503.09 9356.09 175.20 N 0.99 E 175.16 1.20 9513.00 0.40 71.70 9503.09 9356.09 175.20 N 0.99 E 175.16 0.17 9939.00 0.20 133.80 9350.00 9503.0		8157.00	1.00	127.80	8147.22	-8124.22	168.29	N	4.19	W	168.34	1.01
8342.00 0.80 121.50 8332.19 -8309.19 166.36 N 1.09 W 166.36 0.48 8373.00 1.00 123.00 8363.18 -8340.18 166.10 N 0.68 W 166.09 0.66 8404.00 0.60 126.00 8394.18 -8371.18 165.66 N 0.32 W 165.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.54 N 0.37 W 165.63 1.29 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.6		8218.00	1.40	120.30	8208.21	-8185.21	167.59	N	3.13	W	167.62	0.70
8373.00 1.00 123.00 8363.18 -8340.18 166.10 N 0.68 W 166.09 0.55 8404.00 0.60 126.00 8394.18 -8371.18 165.86 N 0.32 W 165.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8555.00 0.30 303.60 8546.18 -8523.18 165.54 N 0.37 W 165.63 1.29 8589.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.63 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.63 0.99 8741.00 1.40 14.50 8731.15 -8770.14 168.9		8280.00	1.10	121.50	8270.20	-8247.20	166.90	N	1.96	W	166.91	0.49
8404.00 0.60 126.00 8394.18 -8371.18 165.86 N 0.32 W 165.84 1.30 8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 165.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8596.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.44 0.67 8589.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8865.00 0.80 29.20 8855.13 -8832.13 169.97		8342.00	0.80	121.50	8332.19	-8309.19	166.36	N	1.09	W	166.36	0.48
8434.00 0.10 101.90 8424.18 -8401.18 165.76 N 0.16 W 155.74 1.70 8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 166.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 166.96 0.99 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8988.00 0.50 83.90 8978.12 -893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 <td></td> <td>8373.00</td> <td>1.00</td> <td>123.00</td> <td>8363.18</td> <td>-8340.18</td> <td>166.10</td> <td>N</td> <td>0.68</td> <td>W</td> <td>166.09</td> <td>0.65</td>		8373.00	1.00	123.00	8363.18	-8340.18	166.10	N	0.68	W	166.09	0.65
8465.00 0.40 184.40 8455.18 -8432.18 165.65 N 0.15 W 165.63 1.29 8556.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.44 0.67 8589.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.33 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8988.00 0.50 83.90 8978.12 -8955.12 170.49 </td <td></td> <td>8404.00</td> <td>0.60</td> <td>126.00</td> <td>8394.18</td> <td>-8371.18</td> <td>165.86</td> <td>N</td> <td>0.32</td> <td>w</td> <td>165.84</td> <td>1.30</td>		8404.00	0.60	126.00	8394.18	-8371.18	165.86	N	0.32	w	165.84	1.30
8556.00 0.30 303.60 8546.18 -8523.18 165.46 N 0.37 W 165.44 0.67 8589.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.16 W 169.95 0.71 8988.00 0.50 33.90 8978.12 -8955.12 170.68 N 0.62 E 170.47 0.70 9050.00 0.20 350.10 9040.12 -9017.12 170.81 </td <td></td> <td>8434.00</td> <td>0.10</td> <td>101.90</td> <td>8424.18</td> <td>-8401.18</td> <td>165.76</td> <td>N</td> <td>0.16</td> <td>W</td> <td>165.74</td> <td>1.70</td>		8434.00	0.10	101.90	8424.18	-8401.18	165.76	N	0.16	W	165.74	1.70
8589.00 0.40 286.60 8579.18 -8556.18 165.54 N 0.55 W 165.53 0.43 8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8986.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.62 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.47 0.70 8988.00 0.20 350.10 9040.12 -9017.12 170.81 <td></td> <td>8465.00</td> <td>0.40</td> <td>184.40</td> <td>8455.18</td> <td>-8432.18</td> <td>165.65</td> <td>N</td> <td>0.15</td> <td>W</td> <td>165.63</td> <td>1.29</td>		8465.00	0.40	184.40	8455.18	-8432.18	165.65	N	0.15	W	165.63	1.29
8649.00 0.80 332.00 8639.17 -8616.17 165.97 N 0.95 W 165.96 0.99 8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.47 0.70 8916.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 <td>_</td> <td>8556.00</td> <td>0.30</td> <td>303.60</td> <td>8546.18</td> <td>-8523.18</td> <td>165.46</td> <td>N</td> <td>0.37</td> <td>W</td> <td>165.44</td> <td>0.67</td>	_	8556.00	0.30	303.60	8546.18	-8523.18	165.46	N	0.37	W	165.44	0.67
8741.00 1.40 14.50 8731.15 -8708.15 167.63 N 0.97 W 167.62 1.06 8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.47 0.70 8988.00 0.50 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.35 0.91 9142.00 1.10 350.00 9132.11 -9109.11 171.81 <td>_</td> <td>8589.00</td> <td>0.40</td> <td>286.60</td> <td>8579.18</td> <td>-8556.18</td> <td>165.54</td> <td>N</td> <td>0.55</td> <td>W</td> <td>165.53</td> <td>0.43</td>	_	8589.00	0.40	286.60	8579.18	-8556.18	165.54	N	0.55	W	165.53	0.43
8803.00 1.20 18.40 8793.14 -8770.14 168.98 N 0.57 W 168.96 0.35 8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.47 0.70 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.62 E 170.64 0.51 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.62 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.75 1.28 9244.00 0.70 350.00 9132.11 -9109.11 171.81 </td <td></td> <td>8649.00</td> <td>0.80</td> <td>332.00</td> <td>8639.17</td> <td>-8616.17</td> <td>165.97</td> <td>N</td> <td>0.95</td> <td>W</td> <td>165.96</td> <td>0.99</td>		8649.00	0.80	332.00	8639.17	-8616.17	165.97	N	0.95	W	165.96	0.99
8865.00 0.80 29.20 8855.13 -8832.13 169.97 N 0.16 W 169.95 0.71 8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.64 0.51 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.35 0.91 9142.00 1.10 350.00 9132.11 -9109.11 171.81 N 0.79 E 171.77 1.28 9204.00 0.70 350.00 9194.11 -9171.11 172.77 N 0.62 E 172.74 0.65 9265.00 0.30 352.90 9255.10 -9232.10 173.30<	_	8741.00	1.40	14.50	8731.15	-8708.15	167.63	N	0.97	W	167.62	1.06
8926.00 0.40 44.70 8916.12 -8893.12 170.49 N 0.20 E 170.47 0.70 8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.64 0.51 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.35 0.91 9142.00 1.10 350.00 9132.11 -9109.11 171.81 N 0.79 E 171.77 1.28 9204.00 0.70 350.00 9194.11 -9171.11 172.77 N 0.62 E 172.74 0.65 9265.00 0.30 352.90 9255.10 -9232.10 173.30 N 0.54 E 173.26 0.66 9327.00 0.90 3583.0 9317.10 -9294.10 173.95							- 	N	0.57	W	168.96	0.35
8988.00 0.50 83.90 8978.12 -8955.12 170.68 N 0.62 E 170.64 0.51 9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.35 0.91 9142.00 1.10 350.00 9132.11 -9109.11 171.81 N 0.79 E 171.77 1.28 9204.00 0.70 350.00 9194.11 -9171.11 172.77 N 0.62 E 172.74 0.65 9265.00 0.30 352.90 9255.10 -9232.10 173.30 N 0.54 E 173.26 0.66 9327.00 0.90 358.30 9317.10 -9294.10 173.95 N 0.50 E 173.91 0.97 9389.00 0.80 26.80 9379.09 -9356.09 174.82							-	N				0.71
9050.00 0.20 350.10 9040.12 -9017.12 170.81 N 0.87 E 170.77 0.89 9116.00 0.80 358.70 9106.12 -9083.12 171.39 N 0.84 E 171.35 0.91 9142.00 1.10 350.00 9132.11 -9109.11 171.81 N 0.79 E 171.77 1.28 9204.00 0.70 350.00 9194.11 -9171.11 172.77 N 0.62 E 172.74 0.65 9265.00 0.30 352.90 9255.10 -9232.10 173.30 N 0.54 E 172.74 0.65 9327.00 0.90 358.30 9317.10 -9294.10 173.95 N 0.50 E 173.91 0.97 9389.00 0.80 26.80 9379.09 -9356.09 174.82 N 0.69 E 174.78 0.69 9451.00 0.20 93.50 9441.09 -9180.09 175.20							+					0.70
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10038.00 0.50 166.00 10028.08 -10005.08 174.21 N 3.45 E 174.12 0.78			f)				0.40



Location Information

Business Unit

Operations

Project

Uinta

Phase/Area

Black Tail Ridge

Well Name

#14-29-36 BTR

Surface Location

SESW-29-3S-6W-W30M

Main Hole

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	10100.00	1.00	156.90	10090.07	-10067.07	173.45	N	3.73	E	173.36	0.83
	10162.00	0.70	164.40	10152.06	-10129.06	172.59	N	4.04	E	172.49	0.52
	10224.00	0.50	171.50	10214.06	-10191.06	171.95	N	4.18	E	171.85	0.34
	10286.00	0.90	178.20	10276.06	-10253.06	171.20	N	4.24	E	171.10	0.66
	10341.00	1.10	180.00	10331.05	-10308.05	170.24	N	4.25	Е	170.14	0.37

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: EDA-20G0005608
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deeper Igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 14-29-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013336430000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D		DNE NUMBER: 112-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0539 FSL 2000 FWL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SESW Section: 29	I P, RANGE, MERIDIAN: Township: 03.0S Range: 06.0W Meridian	:: U	COUNTY: DUCHESNE STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
V	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
✓ SUBSEQUENT REPORT Date of Work Completion: 1/22/2009	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
1,22,2003	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION ☐ TUBING REPAIR	☐ SIDETRACK TO REPAIR WELL ☐ VENT OR FLARE	☐ TEMPORARY ABANDON ☐ WATER DISPOSAL
DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION		
		✓ OTHER	OTHER: Correction to lease num
This Sundry is being	MPLETED OPERATIONS. Clearly show all per submitted to indicate that the correct lease number is 14-20 your information with this l	ne lease for this section has I-H62-6199. Please update ease. I Oi	s
NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 8/11/2010	

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

11/1/2016

FORMER OPERATOR:	NEW OPERATOR:	
Bill Barrett Corporation	Rig II, LLC	
1099 18th Street, Suite 2300	1582 West 2600 South	
Denver, CO 80202	Woods Cross, UT 84087	
CA Number(s):	Unit(s):	

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

10/21/2016

2. Sundry or legal documentation was received from the **NEW** operator on:

10/21/2016

3. New operator Division of Corporations Business Number:

8256968-0160

REVIEW:

1. Surface Agreement Sundry from NEW operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

10/21/2016

3. Reports current for Production/Disposition & Sundries:

11/2/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

11/3/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

11/3/2016

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UTB000712

2. Indian well(s) covered by Bond Number:

LPM 922467

3.State/fee well(s) covered by Bond Number(s):

9219529

DATA ENTRY:

1. Well(s) update in the OGIS on:

11/7/2016

2. Entity Number(s) updated in OGIS on:

11/7/2016

3. Unit(s) operator number update in OGIS on:

N/A

4. Surface Facilities update in OGIS on:

N/A

5. State/Fee well(s) attached to bond(s) in RBDMS on:

11/7/2016

6. Surface Facilities update in RBDMS on:

N/A

COMMENTS:

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Туре	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	Α
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	Α
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	Α
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	ow	APD
7-17D-46 BTR	17	040\$	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
I-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	0408	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
3H-9-46 BTR	9	040\$	060W	4301351140		Indian	Indian	ow	APD
C TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	ow	APD
4-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	ow	APD
6-19D-37 BTR	19	030S	070W	4301351179	T	Indian	Fee	OW	APD
3-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	ow	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	ow	APD
.C TRIBAL 1H-33-46	33	040S	060W	4301351257	-	Indian	Fee	OW	APD
C TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	ow	APD
C TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
C TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
C TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
C TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
C TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
C TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
C TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	ow	APD
.C TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	ow	APD
C TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
C TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	ow	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
6-23D-46 LC TRIBAL	23	0408	060W	4301351396		Indian	Fee	OW	APD
5-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
6-23D-37 BTR	23	0308	070W	4301351420	-	Indian	Fee	ow	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
_C TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

14-12D-45 BTR	12	040S	050W	4301351444	Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445	Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446	Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450	Indian	State	OW	APD
LC TRIBAL 10-20D-40	34	0408	060W	4301351451				
16-12D-45 BTR	12	040S	050W	4301351451	Indian Indian	State Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351452			OW	APD
LC TRIBAL 1-35D-46	35	040S	060W		Indian	Indian	OW	APD
16-25D-37 BTR		0405	070W	4301351454	Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	25			4301351455	Indian	Fee	OW	APD
	28	0408	060W	4301351462	Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	0308	070W	4301351494	Indian	Fee	OW	APD
7-13D-45 BTR	13	0408	050W	4301351497	Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	0408	060W	4301351515	Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040\$	060W	4301351543	Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598	Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030\$	070W	4301351610	Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613	Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616	Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617	Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619	Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620	Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624	Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625	Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627	Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628	Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629	Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639	Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640	Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641	Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	W080	4301351643	Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644	Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	W080	4301351645	Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646	Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654	Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656	Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657	Indian	Fee	ow	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658	Indian	Fee	ow	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659	Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	0408	050W	4301351661	Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040\$	060W	4301351663	Indian	Fee	OW	APD
3-29D-36 BTR	29	0308	060W	4301351665	Indian	Fee	OW	APD

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
_C Tribal 5-24D-46	24	0408	060W	4301351668	Indian	Indian	ow	APD
_C TRIBAL 6-12D-58	12	0508	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
.C TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	0308	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	0308	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	0308	050W	4301351806	Indian	Fee	ow	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	0308	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	0308	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
_C Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
_C Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	0308	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	0308	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	0308	060W	4301351872	Indian	Fee	ow	APD
3-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
_C Tribal 5-36D-46	36	0408	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	0408	050W	4301352001	Indian	Indian	OW	APD
_C Tribal 8-22D-45	22	0408	050W	4301352002	Indian	Indian	OW	APD
_C Tribal 8-25D-45	25	0408	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	0308	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	ow	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	0408	070W	4301352055	Indian	Indian	ow	APD
C Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	ow =	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	0408	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	0408	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	0308	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	0308	070W	4301352116	Indian	Fee	OW	APD

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
3-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
_C Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
3TR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030\$	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	0308	050W	4301353061	Fee	Fee	OW	APD
_C TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
_C Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
_C Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
_C Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
_C Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
_C Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
_C Tribal 7-35D-45	35	040\$	050W	4301353072	Indian	State	OW	APD
_C Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
_C Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
_C Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
_C Tribal 10-36D-45	36	0408	050W	4301353078	Indian	State	OW	APD
_C Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
_C Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
_C Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
_C Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
_C Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040\$	050W	4301353123	Indian	Indian	OW	APD
_C Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
_C Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
_C Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
C Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
C Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
_C Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	ow	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	W080	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334	:	Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040\$	060W	4301333567	16526	Indian	Indian	OW	Р
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	Р
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	Р
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	Р
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	Р
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	Р
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	ow	Р
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	Р
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	Р
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	Р
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	Р
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	Р

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	Р
5-16-36 BTR	16	0308	060W	4301333970	17195	Indian	Fee	OW	- F
5-29-36 BTR	29	0308	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	0308	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	0408	050W	4301334089	17507	Indian	Indian	OW	— <u>-</u>
13-2-46 BTR	2	040\$	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040\$	050W	4301334099	17932	Indian	Indian	OW	 P
7-6-45 BTR	6	0408	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040\$	050W	4301334102	17530	Indian	Indian	OW	'Р
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	- ' <u>'</u> P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040\$	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040\$	060W	4301334114	17964	Indian	Indian	OW	: <u>'</u>
5-13-46 BTR	13	0408	060W	4301334115	17833	Indian	Indian	ow	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	0308	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030\$	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	0408	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040\$	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040\$	060W	4301350415	17801	Indian	State	GW	P
C FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	Р
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	Р
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	0408	050W	4301350568	18108	Indian	Indian	OW	Р
16-31D-36 BTR	31	0308	060W	4301350573	18004	Indian	Fee	OW	Р
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
_C TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	Р
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	Р
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	Р
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	Р
7-26-37 BTR	26	0308	070W	4301350641	18131	Indian	Fee	OW	Р
3-11D-36 BTR	11	0308	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	0408	050W	4301350676	18363	Indian	Indian	OW	Р

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	Р
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	Р
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	Р
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	Р
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	Р
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	Р
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	ow	Р
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	ow	Р
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	Р
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	Р
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	Р
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	Р
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	Р
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	Р
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	ow	Р
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	Р
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	ow	Р
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	Р
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	ow	Р
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	ow	Р
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	Р
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	Р
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	Р
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	Р
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	Р
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	Р
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	Р
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	Р
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	Р
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	Р
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	Р
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	0408	050W	4301351278	18627	Indian	Indian	OW	Р
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	Р
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	Р

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	Р
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	Р
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	Р
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	Р
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	Р
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	Р
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	Р
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	Р
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	Р
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	Р
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	Р
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	Р
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	Р
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	Р
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	Р
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	Р
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	Р
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	ow	Р
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	Р
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	ow	Р
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	Р
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	Р
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	0308	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	0308	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040\$	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	0308	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D - 36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

RECEIVED

OCT 2 1 2016

Re: Bill Barrett Corporation Transfer to New Operator

DIV. OF OIL, GAS & MINING

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD formchanging the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 Telephone:(801) 683-4245 Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley Permit Analyst

STATE OF UTAH FORM 9 **DEPARTMENT OF NATURAL RESOURCES** 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING (see attached well list) 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7, UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL 8. WELL NAME and NUMBER OIL WELL 🔽 GAS WELL (see attached well list) 2. NAME OF OPERATOR: 9. API NUMBER RIG II, LLC 3. ADDRESS OF OPERATOR PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 1582 West 2600 South (801) 683-4245 STATE UT ZIP 84087 Wood Cross 4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start; CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON 11/1/2016 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSÁL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE **RECOMPLETE - DIFFERENT FORMATION** 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO-Rig II, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW. RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 801-683-4245 (STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670) BILL BARRETT CORPORATION NOILS RIG II, LLC MAME (PLEASE PRINT) _ NAME (PLEASE PRINT) SIGNATURE SIGNATURE EH&S, Government and Regulatory Affairs Jesse McSwain Manager NAME (PLEASE PRINT) 1012016

APPROVED

NOV 0 7 2016

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

Well	name:	(See attached I	list)			
API r	number:					
Loca	tion:	Qtr-Qtr:	Section:	Township: Range:		
Com	pany that filed original application:	Bill Barrett Corp	ooration			
Date	original permit was issued:		·			
Com	pany that permit was issued to:	Bill Barrett Co	rporation			
Check one		Des	sired Action:	# 1 h		
	Transfer pending (unapproved) App	olication for P	ermit to Drill to ne	ew operator		
	The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a	or Permit to Dri	ill, remains valid ar	nd does not require revision. The	new	
✓	Transfer approved Application for F	Permit to Drill	to new operator			
	The undersigned as owner with legal r information as submitted in the previous revision.				re	
Follo	wing is a checklist of some items rel	ated to the ap	plication, which	should be verified.	Yes	No
	owing is a checklist of some items rel ated on private land, has the ownership	<u>.</u>	plication, which s	should be verified.	Yes	No
		changed?	plication, which s	should be verified.		
If loca	ated on private land, has the ownership	changed? updated?				
If local Have requi	If so, has the surface agreement been any wells been drilled in the vicinity of	changed? updated? the proposed v	vell which would af	ffect the spacing or siting		✓
Have requi Have propo	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? It there been any unit or other agreemen	changed? updated? the proposed v ts put in place	vell which would af	ffect the spacing or siting ne permitting or operation of this		✓ ✓
Have requi Have propo Have propo	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? there been any unit or other agreemen osed well? there been any changes to the access	changed? updated? the proposed v ts put in place route including	vell which would af	ffect the spacing or siting ne permitting or operation of this		✓ ✓ ✓
Have requi Have proportion Have proportion Has t	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? It there been any unit or other agreement been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the	changed? updated? the proposed v ts put in place route including changed? e surface locati	vell which would af that could affect th g ownership or righ	ffect the spacing or siting ne permitting or operation of this nt-of-way, which could affect the		✓ ✓ ✓
Have plans	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? There been any unit or other agreemen osed well? There been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the from what was discussed at the onsite	changed? updated? the proposed v ts put in place route including changed? e surface locati evaluation?	vell which would af that could affect th g ownership or righ on or access route	ffect the spacing or siting ne permitting or operation of this t-of-way, which could affect the e which will require a change in		✓ ✓ ✓ ✓
Have plans	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? It there been any unit or other agreement been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the	changed? updated? the proposed v ts put in place route including changed? e surface locati evaluation?	vell which would af that could affect th g ownership or righ on or access route	ffect the spacing or siting ne permitting or operation of this t-of-way, which could affect the e which will require a change in		✓ ✓ ✓
Have plans Is book	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? There been any unit or other agreemen osed well? There been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the from what was discussed at the onsite	changed? updated? the proposed w ts put in place route including changed? e surface locati evaluation? oposed well? E a pending or agor amended Ap	well which would aften that could affect the ownership or right on or access route and No. 2219529-UDOGM/UDOFFOVED Application	ffect the spacing or siting ne permitting or operation of this nt-of-way, which could affect the which will require a change in	✓ ✓	\frac{1}{\sqrt{1}}
Have plans Is bounces	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? There been any unit or other agreemen osed well? There been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the from what was discussed at the onsite anding still in place, which covers this pro- desired or necessary changes to either a desired on a Sundry Notice, Form 9, of	changed? updated? the proposed w ts put in place route including changed? e surface locati evaluation? oposed well? E a pending or agor amended Ap	well which would aften that could affect the ownership or right on or access route and No. 2219529-UDOGM/UDOFFOVED Application	ffect the spacing or siting ne permitting or operation of this nt-of-way, which could affect the which will require a change in	✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓
Have proportion Have plans Is both Any of should necessive Mame	ated on private land, has the ownership If so, has the surface agreement been any wells been drilled in the vicinity of rements for this location? There been any unit or other agreemen osed well? There been any changes to the access osed location? The approved source of water for drilling there been any physical changes to the from what was discussed at the onsite anding still in place, which covers this pro- desired or necessary changes to either a desired on a Sundry Notice, Form 9, o ssary supporting information as required	changed? updated? the proposed w ts put in place route including changed? e surface locati evaluation? oposed well? E a pending or agor amended Ap	that could affect the gownership or right on or access route and No. Sond No. Sproved Application polication for Permi	ffect the spacing or siting ne permitting or operation of this nt-of-way, which could affect the which will require a change in	✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓

Permit to Drill.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

TRAN	SFER OF	AUTHORITY TO INJECT	
Well Name and Number 6-32-36 BTR SWD			API Number
Location of Well			4301350921 Field or Unit Name
Footage: 1628 FNL 1553 FWL		County: DUCHENSE	CEDAR RIM
	3S 6W	State: UTAH	Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OF	PERATOR	
Company:	BILL BARRETT CORPORATION	Name: Duane Zavadil
Address:	1099 18th Street Ste 2300	Signature: 2nL)
	city DENVER state CO zip 80202	Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone:	(303) 293-9100	Date: 10 20 16
Comments		

Company:	RIG II, LLC	Name: Jesse McSwain	
Address:	1582 West 2600 South	Signature:	
	city Wood Cross state UT zip 84087	Title: Manager	
Phone:	(801) 683-4245	Date: 10/20/10	
Comments	:	,	

(This space for State use only)

Transfer approved by:

Approval Date: ///3//L

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

	TRANSFER OF AU	ITHORITY TO INJECT	Γ
Well Name and N 16-6D-46 BT		API Number 4301350781	
Location of Well		:	Field or Unit Name
Footage: 02	200 FSL 0099 FEL	County : DUCHESNE	ALTAMONT Lease Designation and Number
QQ, Section,	Township, Range: SESE 6 4S 6W	State: UTAH	2OG0005608
EFFECTIVE D	PATE OF TRANSFER: 11/1/2016	,	
CURRENT OP	ERATOR		
Company:	BILL BARRETT CORPORATION	Name: Duane	e Zavadil
Address:	1099 18th Street Ste 2300	Signature:	m Zovist
	city DENVER state CO zip 80202	Senior	ice President - Government and Regulatory Affairs
Phone:	(303) 293-9100	Date:	20/14
Comments:		· ·	
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
NEW OPERAT	OR		
Company:	RIG II, LLC	Name: Jesse	McSwain
Address:	1582 West 2600 South	Signature:	Dene MG:
	city Wood Cross state UT zip 84087	Title: Mana	/
Phone:	(801) 683-4245	Date:	120114
Comments:		<u> </u>	
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Transfer ap	proved by:	Approval Date:	11/3/16
r	Title: VII		

Comments:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT				
Well Name and Number SWD 9-36 BTR	API Number 4301350646			
Location of Well	Field or Unit Name			
Footage: 0539 FSL 0704 FEL	County : DUCHESNE CEDAR RIM Lease Designation and Number			
QQ, Section, Township, Range: SESE 9 3S 6W	State: UTAH 2OG0005608			
EFFECTIVE DATE OF TRANSFER: 11/1/2016				
CURRENT OPERATOR				
Company: BILL BARRETT CORPORATION	Name: Duane Zavadil			
Address: 1099 18th Street Ste 2300	Signature: James Zawaki			
city DENVER state CO zip 80202	Signature: Senior Vice President - Title: EH&S, Government and Regulatory Affairs			
Phone: (303) 293-9100	Date: 10/7.0/14			
Comments:				
NEW OPERATOR				
Company: RIG II, LLC	Name: Jesse McSwain			
Address: 1582 West 2600 South	Signature: See WG-			
city Wood Cross state UT zip 84087	Title: Manager			
Phone: (801) 683-4245	Date: 1076110			
Comments:	'			
(This space for State use only)				
Transfer approved by:	Approval Date:			
Title:				
Comments: This well curs ag	eprived by USERA.			
COMMITTEE OF A	will be required.			